

**GLOUCESTER TOWNSHIP PUBLIC SCHOOLS
FACILITIES DEPARTMENT**

SCHOOL BUILDING CUSTODIAL CLEANING AGENT LIST (2020-2021 SY)

| Product Description | Rationale for Use | MSDS Product # | EPA # |
|---|--|-----------------------|----------------|
| Used for General Cleaning | | | |
| 1) Clean On The Go Biorenewables Glass Cleaner (18) | Used as a Glass Cleaner | 4835 | not required |
| 3) EnvirOx Green Certified: H2O2 Orange Cleaner Concentrate | General Cleaner Used for Glass and as a Degreaser | 116 | 69268-2 |
| 4) Peroxy Green / Peroxy HDOX | General Cleaner Used for Glass and as a Degreaser | 1750 | 84198-1 |
| Used for Sanitizing and Disinfecting | | | |
| 1) BRUTAB 6S | Used to Sanitize and Disinfect All Surfaces | 161021 | 71847-6-106 |
| 2) Clean On The Go hdqC2 | Used to Clean and Sanitize Bathrooms | 4702, 1014 | 1839-169-5741 |
| 3) Spraypak Spray Disinfectant | Used to Disinfect and Deodorize Bathrooms | FG 433-4104-4 | 498-179 |
| 4) Peroxy II FBC Antibacterial Foaming Bath & Surface Cleaner | Used to Sanitize and Disinfect Sinks, Toilets and Urinals | 3535, 3536 | 5741-26 |
| 5) SONO Disinfecting Wipes | Used to Disinfect Surfaces in Schools and Buses | 13627 | 6836-340-89018 |
| Used for Floor Cleaning | | | |
| 1) Clean On The Go Clean by Peroxy (15) | Used as a salt neutralizer | 4820 | not required |
| 2) Clean On The Go Tribase Multi Purpose Cleaner (17) | Used to Clean Regular Floors Using an Autoscrubber or Mop/Bucket | 4830 | not required |
| 3) EnvirOx Green Certified: H2O2 Orange Cleaner Concentrate | General Cleaner Used For Regular Floors | 116 | 69268-2 |
| 4) Peroxy Green / Peroxy HDOX | General Cleaner Used For Regular Floors | 1750 | 84198-1 |
| 5) SNB-130 | Degreaser used to Clean Kitchen Floors | 2130 | not required |
| Used for Grout Cleaning | | | |
| 1) Formula 14-B | Used to Clean Grout; Mineral/Hard Water Cleaner | n/a | not required |
| Cafeteria Cleaning Agent | | | |
| 1) Diamond Disinfectant #1000 | Used in the Kitchen to Rinse and Disinfect Pots, Pans and Cafeteria Tables | 7280 | 10324-63 |

| Building Based Hand Sanitizer | ALCOHOL % | MSDS Product # | National Drug Code |
|--------------------------------------|-----------------------|-----------------------|---------------------------|
| 1) Symmetry Foaming Hand Sanitizer | 62% Ethyl Alcohol | BE-9005 | 30805-003-04 |
| 2) SANIT Hand Sanitizer | 70% Isopropyl Alcohol | 59385 | 73833-000-01 |
| 3) Safety First Hand Sanitizer | 70% Ethyl Alcohol | N/A | 76665-003 |

updated 8-30-2020



Safety Data Sheet

Spartan Chemical Company, Inc.

Revision Date: 05-Aug-2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: CLEAN ON THE GO BIORENEWABLES GLASS CLEANER [18]
Product Number: 4835
Recommended Use: Cleaning agent
Uses Advised Against: For Industrial and Institutional Use Only

Manufacturer/Supplier: Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

24 Hour Emergency Phone Numbers:

Medical Emergency/Information: 888-314-6171
Transportation/Spill/Leak: CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

Serious Eye Damage/Eye Irritation: Category 2B

GHS Label Elements

Signal Word:

Warning

Symbols:

None

Hazard Statements:

Causes eye irritation.

Precautionary Statements:

Prevention:

Wash hands and any exposed skin thoroughly after handling.

Response:

-Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

-Specific Treatment:

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

Storage:

Not Applicable

Disposal:

Not Applicable

Hazards Not Otherwise Classified: Not Applicable

Other Information:

- May be harmful if swallowed.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|--------------------------------|-------------|----------|
| water | 7732-18-5 | 60-100 |
| alkyl polyglucoside | 68515-73-1 | 1-5 |
| cocamidopropyl hydroxysultaine | 70851-08-0 | 1-5 |
| alkyl polyglucoside | 110615-47-9 | 1-5 |

| | | |
|-----------|-------------|-------|
| fragrance | PROPRIETARY | 0.1-1 |
|-----------|-------------|-------|

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
- Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** See Section 12 for additional Ecological Information.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
- Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Occupational Exposure Limits:** None established.
- Engineering Controls:** Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
- Personal Protective Equipment**
- Eye/Face Protection:** Not required with expected use.
- Skin and Body Protection:** Not required with expected use.
- Respiratory Protection:** Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

General Hygiene Considerations: Wash hands and any exposed skin thoroughly after handling.
See 29 CFR 1910.132-138 for further guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--|
| Appearance/Physical State: | Liquid |
| Color: | Blue |
| Odor: | Pleasant |
| pH: | Undiluted: 8.0-9.0 / Diluted 1:64: 7.0-8.0 |
| Melting Point / Freezing Point: | No information available. |
| Boiling Point / Boiling Range: | 100 °C / 212 °F |
| Flash Point: | > 100 °C / > 212 °F |
| Evaporation Rate: | < 1 (BuAc = 1) |
| Flammability (solid, gas) | No information available. |
| Upper Flammability Limit: | No information available. |
| Lower Flammability Limit: | No information available. |
| Vapor Pressure: | No information available. |
| Vapor Density: | No information available. |
| Specific Gravity: | 1.01 |
| Solubility(ies): | No information available. |
| Partition Coefficient: | No information available. |
| Autoignition Temperature: | No information available. |
| Decomposition Temperature: | No information available. |
| Viscosity: | No information available. |

10. STABILITY AND REACTIVITY

Reactivity: This material is considered to be non-reactive under normal conditions of use.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous Reactions: Not expected to occur with normal handling and storage.
Conditions to Avoid: Extremes of temperature and direct sunlight.
Incompatible Materials: Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products: May include carbon monoxide, carbon dioxide (CO₂) and other toxic gases or vapors.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation.
Symptoms of Exposure:
-Eye Contact: Pain, redness and swelling of the conjunctiva.
-Skin Contact: Drying of the skin.
-Inhalation: Nasal discomfort and coughing.
-Ingestion: Pain, nausea, vomiting and diarrhea.
Immediate, Delayed, Chronic Effects
Product Information: Data not available or insufficient for classification.

Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.
Data not available or insufficient for classification.

Component Acute Toxicity Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------|--------------------|---------------|-----------------|
| water 7732-18-5 | > 90 mL/kg (Rat) | Not Available | Not Available |

Carcinogenicity: No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Persistence and Degradability: No information available.
Bioaccumulation: No information available.
Other Adverse Effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Dispose of in accordance with federal, state and local regulations.
Contaminated Packaging: Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT: Not Regulated
Proper Shipping Name: Non Hazardous Product
Special Provisions: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.
IMDG: Not Regulated
Proper Shipping Name: Non Hazardous Product

15. REGULATORY INFORMATION

TSCA Status: (Toxic Substance Control Act Section 8(b) Inventory)
All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA 313
This product does not contain listed substances above the "de minimus" level

SARA 311/312 Hazard Categories

| | |
|---|-----|
| Acute Health Hazard: | Yes |
| Chronic Health Hazard: | No |
| Fire Hazard: | No |
| Sudden release of pressure hazard: | No |
| Reactive Hazard: | No |

California Proposition 65
This product is not subject to warning requirements under California Proposition 65.

16. OTHER INFORMATION

| | | | | |
|-------------|--------------------------|------------------------|----------------------------|---------------------|
| NFPA | Health Hazards: 1 | Flammability: 0 | Instability: 0 | Special: N/A |
| HMIS | Health Hazards: 1 | Flammability: 0 | Physical Hazards: 0 | |

Revision Date: 05-Aug-2015
Reasons for Revision: Section 14 and 15

Disclaimer:
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: EnviroX H2Orange2 Concentrate 117 (Heavy Duty Water Dilution –10 oz/gal)

Product Number: 117

Recommended use of the chemical and restrictions on use:
Cleaning agent / Cleaner

Manufacturer/Supplier:

EnviroX LLC P.O. Box 2327, 1938 E. Fairchild St., Danville, IL 61834-2327 USA Tel 1-217-442-8596

Emergency Phone Number:

ChemTel Inc. 800-255-3924, +1-813-248-0585

SECTION 2 –HAZARD(S) IDENTIFICATION

Classification of the substance or mixture:

The product is not classified according to OSHA GHS regulations within the United States

Signal Word – Not Regulated.

Hazard statements: Not Regulated.

Precautionary statements: Not Regulated.

Other hazards: None

Ingredients with Unknown Acute Toxicity: None

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixture

Hazardous components:

| Ingredient | CAS Number | Percent |
|-------------------|------------|---------|
| Hydrogen peroxide | 7722-84-1 | <= 2.5 |
| Orange oil | 8008-57-9 | <= 2.5 |

Exact percentages and identities are withheld as trade secrets.

SECTION 4 - FIRST-AID MEASURES

Description of necessary measures:

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Rinse with warm water. If skin irritation continues, consult a doctor.

After eye contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No special measures required. .

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use fire fighting measures that suit the environment.

Unsuitable extinguishing media: None.

Special hazards arising from the substance or mixture: None.

Special protective equipment and precautions for fire-fighters: Wear self-contained respiratory protective device. Wear fully protective suit.

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

Personal precautions, protective equipment and emergency procedures: Use respiratory protective device against the effects of fumes/dust/aerosol. Particular danger of slipping on leaked/spilled product. Wear protective clothing. Ensure adequate ventilation.

Methods and material for containment and cleaning up: Absorb liquid components with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Clean the affected area carefully; suitable cleaners are: Warm water

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Conditions for safe storage, including any incompatibilities: Avoid storage near extreme heat, ignition sources or open flame. Store away from foodstuffs. Store away from oxidizing agents. Store in cool, dry conditions in well sealed receptacles. Protect from frost.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters:

| Component | OSHA PEL | ACGIH TLV | WEEL (USA) |
|----------------------------------|----------|-----------|------------|
| CAS: 7722-84-1 hydrogen peroxide | 1 ppm | 1 ppm | |

Appropriate engineering controls: No further information available.

Personal protective equipment:

Respiratory protection: Not required under normal conditions of use. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.

Protection of hands: Rubber gloves, Butyl rubber, Nitrile rubber, or Neoprene gloves

Eye protection: Safety glasses.

Body protection: Not required.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------------|------------------------------|--|-----------------------|
| Appearance: | Form: Liquid Color: Clear | Explosive Limits | Upper: Not Determined |
| Odor: | Citrus | Vapor pressure: | Not determined |
| Odor threshold: | Not determined | Vapor density: | Not determined |
| pH value at 20 °C (68 °F): | 6.5 ± 0.5 | Relative Density: | Not determined |
| Melting point/Melting range: | Undetermined | Solubility: | Fully miscible |
| Boiling point/Boiling range: | 212 °F / 100 °C | Partition coefficient (noctanol/water): | Not determined |
| Flash point: | Not applicable | Auto-ignition temperature: | Not determined |
| Evaporation rate: | Not determined | Decomposition temperature: | Not determined |
| Flammability (solid, gaseous): | Not applicable | Viscosity: | Not determined |
| Explosive Limits | Lower: Not Determined | | |

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: No further information available.

Chemical stability: No decomposition if used and stored according to specifications.

Possibility of hazardous reactions: Reacts with strong acids. Reacts with reducing agents.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Possible in traces.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation: No irritant effect.

Ingestion: None under normal use.

Skin contact: No irritant effect.

Eye Contact: Slight irritant effect.

Symptoms related to the physical, chemical and toxicological characteristics: No further information available. **Delayed and immediate effects and also chronic effects from short and long term exposure:** At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Measures of toxicity: No further information available.

Carcinogenic categories:

| | |
|--|-------------------------------------|
| NTP(National ToxicologyProgram): | None of the ingredients are listed. |
| IARC (International Agency for Research on Cancer): | None of the ingredients are listed. |
| OSHA(Occupational Safety and Health Administration): | None of the ingredients are listed. |

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: No further relevant information available.

Terrestrial toxicity: No further relevant information available.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Other adverse effects: No further relevant information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal methods: Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

Contaminated packaging: Disposal must be made according to official regulations.

Recommended cleansing agents: Water only.

SECTION 14 - TRANSPORT INFORMATION

| | |
|--|-----------------|
| UN number (DOT, IMDG, IATA): | Not applicable. |
| UN proper shipping name (DOT, IMDG, IATA): | Not regulated. |
| Transport hazard class(es) (DOT, IMDG, IATA): | Not applicable. |
| Packing group (DOT, IMDG, IATA): | Not applicable. |
| Environmental hazards: Marine pollutant (Yes/No): | No |
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | Not applicable. |
| Special precautions for user: | Not applicable. |

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

United States (USA) SARA

| | |
|--|-------------------------------------|
| Section 355 (extremely hazardous substances): | None of the ingredients are listed. |
| Section 313 (specific toxic chemical listings): | None of the ingredients are listed. |
| TSCA (Toxic Substances Control Act): | All ingredients are listed. |

Proposition 65 (California):

| | |
|---|-------------------------------------|
| Chemicals known to cause cancer: | None of the ingredients are listed. |
| Chemicals known to cause reproductive toxicity for females: | None of the ingredients are listed. |
| Chemicals known to cause reproductive toxicity for males: | None of the ingredients are listed. |
| Chemicals known to cause developmental toxicity | None of the ingredients are listed. |

Carcinogenic Categories:

| | |
|--|-------------------------------------|
| EPA(Environmental Protection Agency): | None of the ingredients are listed. |
|--|-------------------------------------|

Chemical safety assessment: A chemical safety assessment has not been carried out.

SECTION 16 - OTHER INFORMATION

Revision Date 15 – February - 2016

Disclaimer: EnvirOx LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

Earth Laboratories, Inc.

Safety Data Sheet

SECTION 1: IDENTIFICATION

| |
|--|
| Product Name: Peroxy Green/ Peroxy HDOX |
| Product Number: 1750 |
| Revision Date: 2/11/2015 |
| Recommended Use: Hard Surface Cleaner |

Company Information

| |
|--|
| Earth Laboratories, Inc. |
| 1101 E. Diamond Ave. |
| Evansville, IN 47711 |
| Emergency Phone Number: (866) 203.0535 |

SECTION 2: HAZARDS IDENTIFICATION

| | |
|---------------------------------|---|
| HAZARD CLASSIFICATIONS | Serious eye irritation: Category 2A |
| Hazard Statements | H319: Causes serious but reversible eye irritation. |
| Precautionary Statements | Prevention: P280: Wear protective gloves, protective clothing, eye protection, face protection. Response: P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |

PICTOGRAM



SIGNAL WORD: WARNING

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name(s) | % Weight | CAS Registry No. |
|-------------------|-------------------|------------------|
| Hydrogen Peroxide | 5-8% Trade Secret | 7722-84-1 |

SECTION 4: FIRST AID MEASURES

| | |
|--------------------|--|
| Inhalation: | Remove victim to fresh air & keep at rest in a position comfortable for breathing. Get medical advice/ attention if you feel unwell. |
| Skin: | Wash skin with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/ attention. |
| Eyes: | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists: Get medical advice / attention. |
| Ingestion: | Rinse mouth. Do NOT induce vomiting. Get immediate medical advice / attention. |

SECTION 5: FIRE- FIGHTING MEASURES

| | |
|---|--|
| Suitable extinguishing media: | Material will not burn. Non-combustible. Use a firefighting agent suitable for surrounding fire. |
| Special hazards arising from the substance or mixture: | None inherent in this product. |
| Thermal decomposition generates: | Corrosive vapors |
| Special protective actions for fire-fighters: | No unusual fire or explosion hazards are anticipated. |



SECTION 6: ACCIDENTAL RELEASE MEASURES

| | |
|-------------------------------------|--|
| For emergency responders: | Equip cleanup crew with proper protection. Ventilate area. |
| For non-emergency personnel: | Evacuate unnecessary personnel. |
| Environmental precautions: | Dispose of in compliance with all Federal, State, and Local laws and regulations. |
| Clean up methods: | Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Dispose of in compliance with all Federal, State, and Local laws and regulations. |

SECTION 7: HANDLING AND STORAGE

| | |
|---|---|
| Precautions; Handling & Storing: | Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional & industrial use only. Do not mix with other chemicals. |
| Conditions for safe storage including any incompatibilities: | Store away from oxidizing agents. For optimum use, keep out of extreme heat. |

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|--|--|
| Respiratory Protection: | No special requirements if good general ventilation is provided. |
| Ventilation: | Provide adequate ventilation. |
| Protective Gloves (Specify Type): | Waterproof gloves recommended.  |
| Eye Protection (Specify Type): | Safety glasses or goggles are recommended.  |
| Others: | When using do not eat, drink, or smoke. |

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

| | | | |
|--|---------|-----------------------------|-----------------------|
| Boiling Point: | 212 F | Vapor Pressure: | Unknown |
| Vapor Density (AIR = 1): | >1 | Solubility in Water: | Complete |
| Evaporation Rate (but. ace.=1): | Unknown | pH value at: | 2.6-2.8 |
| Physical State: | Liquid | Appearance and odor: | Clear with clean odor |

SECTION 10: STABILITY & REACTIVITY

| | | | |
|--|--|--------------------------------|--|
| Stability: | Stable | Incompatible Materials: | Strong acids/bases |
| Hazardous Decomposition Products: | Oxygen, CO, CO ₂ , Corrosive vapors | Conditions to avoid: | Direct sunlight, Extremely high temperatures |

SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|--------------------|---|
| Toxicity: | None known |
| Irritation: | Causes severe, but reversible eye irritation. |

SECTION 12: ECOLOGICAL INFORMATION

| | |
|------------------------------------|--|
| Toxicity: | Not been fully tested. The calculated risk has been done under the requirements of the EU regulations. |
| Persistence - degradability | Biodegradable |

SECTION 13: DISPOSAL CONSIDERATIONS

| | |
|---|---|
| Steps to be taken in case Material is Released or Spilled: | Dispose of in compliance with all Federal, State, and Local laws and regulations. |
| Waste Disposal Method: | Dispose of in compliance with all Federal, State, and Local laws and regulations. |

SECTION 14: TRANSPORT INFORMATION

| | |
|----------------------------|----------------|
| Land, Sea, and Air: | Not regulated. |
|----------------------------|----------------|

SECTION 15: REGULATORY INFORMATION

| | |
|--|---|
| SARA - Section 313 / SARA - Section 355 | None of the ingredients are listed. / None of the ingredients are listed. |
| TSCA | All ingredients are listed. |
| Proposition 65 (California) | None of the ingredients are listed. |
| Carcinogenic categories (EPA) | None of the ingredients are listed. |

SECTION 16: OTHER INFORMATION

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.

| | | |
|----------------------------------|-------------------------------|------------|
| Name: Anthony D. Richardt | Title: Project Manager | v.04302015 |
|----------------------------------|-------------------------------|------------|



SAFETY DATA SHEET

1. Identification

| | | |
|---|---|----------------|
| Product identifier | BRUTAB 6S | |
| Other means of identification | | |
| Product number | 161021 | |
| Recommended use | Effervescent disinfectant tablets | |
| Recommended restrictions | None known. | |
| Manufacturer/Importer/Supplier/Distributor information | | |
| Manufacturer | | |
| Company name | Brulin & Company, Inc. | |
| Address | P.O. Box 270 Indianapolis, IN 46206 United States | |
| Telephone | Phone: | 317-923-3211 |
| | Fax: | 317-925-4596 |
| Website | www.Brulin.com | |
| Emergency phone number | CHEMTREC | 1-800-424-9300 |

2. Hazard(s) identification

| | | |
|-----------------------------|---|---|
| Physical hazards | Not classified. | |
| Health hazards | Acute toxicity, oral | Category 4 |
| | Acute toxicity, dermal | Not classified |
| | Skin corrosion/irritation | Not classified |
| | Serious eye damage/eye irritation | Category 2A |
| | Specific target organ toxicity, single exposure | Category 3 respiratory tract irritation |
| OSHA defined hazards | Not classified. | |

Label elements



| | |
|--|---|
| Signal word | Warning |
| Hazard statement | Harmful if swallowed. Causes serious eye irritation. May cause respiratory irritation. |
| Prevention | Avoid breathing dust. Do not eat, drink or smoke when using this product. Use only in well-ventilated areas. Wear safety glasses with side shields (or goggles). Wear protective gloves. Wash hands thoroughly after handling. |
| Response | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. |
| Storage | Store in a well-ventilated place. Keep container tightly closed. Store away from incompatible materials. Keep out of the reach of children. |
| Disposal | Dispose of waste and residues in accordance with local authority requirements. |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | Contact with acids liberates toxic gas. |

BRUTAB 6S

Product number: 161021

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS number | % by weight |
|---------------------------------------|------------|-------------|
| Dichloroisocyanuric acid, sodium salt | 2893-78-9 | 45 - <50 |
| Adipic acid | 124-04-9 | 35 - <40 |
| Sodium carbonate | 497-19-8 | 10 - <15 |

4. First-aid measures

| | |
|---|--|
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Skin contact | Wash off with soap and water. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. |
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
| Notes to physician | Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed. |
| Most important symptoms/effects, acute and delayed | Symptoms may include stinging, tearing, redness, swelling, and blurred vision. |
| General information | In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

5. Fire-fighting measures

| | |
|--|---|
| Suitable extinguishing media | Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |

6. Accidental release measures

| | |
|--|--|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS. |
| Methods and materials for containment and cleaning up | Collect spillage. Sweep up or gather material and place in appropriate container for disposal. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. |

7. Handling and storage

| | |
|---|--|
| Precautions for safe handling | Mix only with water. Do not mix with other chemicals. Minimize dust generation and accumulation. Do not breathe dust. Do not get this material in contact with eyes. Do not taste or swallow. Provide adequate ventilation. Contamination with moisture, dirt, organic matter or other chemicals or any other foreign matter may start a chemical reaction with generation of heat, liberation of hazardous gases and possible generation of fire and explosion. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse. |
| Conditions for safe storage, including any incompatibilities | Store in original tightly closed container. Keep container dry. Do not store near acids. Contact with acids liberates toxic gas. Store away from incompatible materials (see Section 10 of the SDS). |

BRUTAB 6S

Product number: 161021

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values Components

Type

Value

| US. ACGIH Threshold Limit Values Components | Type | Value |
|--|------|---------|
| Adipic acid (CAS 124-04-9) | TWA | 5 mg/m3 |

Appropriate engineering controls Keep formation of dusts, particulates and fumes to a minimum. Ensure adequate ventilation, especially in confined areas. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

| | |
|---|-------------------|
| Appearance | tablet |
| Form | Solid. |
| Color | white - off white |
| Odor | slight chlorine |
| Odor threshold | Not available. |
| pH | 5.5 - 6.5 |
| Melting point/freezing point | Not available. |
| Boiling point | Not Applicable |
| Flash point | Not applicable. |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Solubility(ies) | |
| Solubility (water) | 100 % |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Specific gravity | Not available. |
| VOC (Weight %) | 0 |

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

BRUTAB 6S

Product number: 161021

| | |
|---|--|
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Contact with incompatible materials. |
| Incompatible materials | Acids. Alkaline Combustible material. reducing agents The active ingredient in this formulation is a strong oxidizing agent. |
| Hazardous decomposition products | Chlorine. |

11. Toxicological information

Toxicological data

| Product | Test Results |
|---------------------|---|
| BRUTAB 6S (Mixture) | Acute Dermal LD50 Rabbit: > 4000 mg/kg Acute Oral LD50 Rat: 1823 mg/kg |

Information on likely routes of exposure

| | |
|---------------------|--|
| Eye contact | Causes serious eye irritation. Dust in the eyes will cause irritation. |
| Skin contact | Direct contact with wet material or moist skin may cause severe irritation. Dry material is less irritating than wet material. Health injuries are not known or expected under normal use. |
| Ingestion | Harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure. This product is sold in a tablet form. |
| Inhalation | May cause irritation to the respiratory system. This material is contained in a tablet form, respirable particulates are generally not encountered. |

Symptoms related to the physical, chemical and toxicological characteristics Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Chronic effects Prolonged inhalation may be harmful.

Toxicological information Occupational exposure to the substance or mixture may cause adverse effects.

12. Ecological information

| | |
|--------------------------------------|--|
| Ecotoxicity | Very toxic to aquatic life with long lasting effects. |
| Persistence and degradability | The materials used in this preparation will not persist in the environment. Hydrolysis products of cyanuric acid and chloride ion are biodegradable. |
| Bioaccumulative potential | This material does not contain chemicals that have known bioaccumulative potential. Trichloroisocyanuric acid hydrolyses in water liberating chlorine and cyanuric acid. These products are not bioaccumulative. |
| Other adverse effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

13. Disposal considerations

| | |
|--|--|
| Disposal instructions | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |

BRUTAB 6S

Product number: 161021

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Adipic acid (CAS 124-04-9) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA (Superfund) reportable quantity

Adipic acid: 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Adipic acid (CAS 124-04-9)
Dichloroisocyanuric acid, sodium salt (CAS 2893-78-9)

US. New Jersey Worker and Community Right-to-Know Act
Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Adipic acid (CAS 124-04-9)
Dichloroisocyanuric acid, sodium salt (CAS 2893-78-9)

US. Rhode Island RTK

Adipic acid (CAS 124-04-9)

BRUTAB 6S

Product number: 161021

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| | |
|----------------------------|--|
| Issue date | 04-22-2014 |
| Revision date | 06-19-2015 |
| Version # | 05 |
| Further information | <p>This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:</p> <p>DANGER CORROSIVE Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin.</p> |
| Disclaimer | <p>The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.</p> |



Safety Data Sheet

Spartan Chemical Company, Inc.

Revision Date: 14-Aug-2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: CLEAN ON THE GO hdqC2
Product Number: 4702 , 1014
Recommended Use: Disinfectant
Uses Advised Against: For Industrial and Institutional Use Only

Manufacturer/Supplier: Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

24 Hour Emergency Phone Numbers:

Medical Emergency/Information: 888-314-6171
Transportation/Spill/Leak: CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

Acute Toxicity - Oral: Category 4
Skin Corrosion/Irritation: Category 1
Serious Eye Damage/Eye Irritation: Category 1

GHS Label Elements

Signal Word:

Danger

Symbols:



Hazard Statements:

Harmful if swallowed.
Causes severe skin burns and serious eye damage.

Precautionary Statements:

Prevention:

Wash hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product
Do not breathe the mist, vapors or spray.
Wear protective gloves. Wear eye / face protection. Wear protective clothing.

Response:

IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

-Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

-Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.

-Inhalation:

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

-Ingestion:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

-Specific Treatment:

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

Storage:

Store locked up.

Disposal:

Dispose of contents and container in accordance with local, state and federal regulations.

Hazards Not Otherwise Classified: Not Applicable

Other Information:

- Corrosive.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.
- NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

0.13402% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|---|------------|----------|
| water | 7732-18-5 | 60-100 |
| dialkyl dimethyl ammonium chloride | 68424-95-3 | 1-5 |
| alkyl dimethyl benzyl ammonium chloride | 68424-85-1 | 1-5 |
| ethanol | 64-17-5 | 1-5 |
| tetrasodium ethylenediaminetetraacetate | 64-02-8 | 0.1-1 |
| alcohol ethoxylate | 68439-46-3 | 0.1-1 |

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

-Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

-Skin Contact: Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse.

-Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

-Ingestion: Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.

Note to Physicians: NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire

Specific Hazards Arising from the Chemical: Dried product is capable of burning. Combustion products are toxic.

Hazardous Combustion Products: May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

Protective Equipment and Precautions for Firefighters: Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Environmental Precautions: Do not rinse spill onto the ground, into storm sewers or bodies of water.

Methods for Clean-Up: Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH |
|--------------------|----------------|--|--|
| ethanol 64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³ | IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³ |

Engineering Controls: Provide good general ventilation.
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.

Personal Protective Equipment

Eye/Face Protection: Wear splash goggles.

Skin and Body Protection: Wear rubber or other chemical-resistant gloves.

Respiratory Protection: Not required with expected use.
If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

General Hygiene Considerations: Wash hands and any exposed skin thoroughly after handling.
See 29 CFR 1910.132-138 for further guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|------------------------------|
| Appearance/Physical State: | Liquid |
| Color: | Red |
| Odor: | Mild Citrus fragrance |
| pH: | 6.0-7.0 |
| Melting Point / Freezing Point: | No information available. |
| Boiling Point / Boiling Range: | 100 °C / 212 °F |
| Flash Point: | > 100 °C / > 212 °F ASTM D56 |
| Evaporation Rate: | < 1 (Butyl acetate = 1) |
| Flammability (solid, gas) | No information available. |
| Upper Flammability Limit: | No information available. |
| Lower Flammability Limit: | No information available. |
| Vapor Pressure: | No information available. |
| Vapor Density: | No information available. |
| Specific Gravity: | 1.0 |
| Solubility(ies): | Soluble in water |
| Partition Coefficient: | No information available. |
| Autoignition Temperature: | No information available. |
| Decomposition Temperature: | No information available. |
| Viscosity: | No information available. |

10. STABILITY AND REACTIVITY

Reactivity: This material is considered to be non-reactive under normal conditions of use.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Not expected to occur with normal handling and storage.

Conditions to Avoid: Extremes of temperature and direct sunlight.

Incompatible Materials: Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products: May include carbon monoxide, carbon dioxide (CO₂) and other toxic gases or vapors.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation.
Symptoms of Exposure:
-Eye Contact: Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
-Skin Contact: Pain, redness, blistering and possible chemical burn.
-Inhalation: Nasal discomfort and coughing.
-Ingestion: Ingestion may cause irritation to mucous membranes. Pain, nausea, vomiting and diarrhea.
Immediate, Delayed, Chronic Effects
Product Information: Data not available or insufficient for classification.

Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 1837 mg/kg
 ATEmix (dermal): 5528 mg/kg
 ATEmix (inhalation-dust/mist): 23 mg/l

Component Acute Toxicity Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|----------------------|---------------------|--------------------------|
| water 7732-18-5 | > 90 mL/kg (Rat) | Not Available | Not Available |
| alkyl dimethyl benzyl ammonium chloride 68424-85-1 | = 426 mg/kg (Rat) | Not Available | Not Available |
| ethanol 64-17-5 | = 7060 mg/kg (Rat) | Not Available | = 124.7 mg/L (Rat) 4 h |
| tetrasodium ethylenediaminetetraacetate 64-02-8 | = 10 g/kg (Rat) | Not Available | Not Available |
| alcohol ethoxylate 68439-46-3 | = 1378 mg/kg (Rat) | > 2 g/kg (Rabbit) | Not Available |

Carcinogenicity: No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical Name | Algae/Aquatic Plants | Fish | Toxicity to Microorganisms | Crustacea |
|--|--|--|----------------------------|---|
| ethanol 64-17-5 | Not Available | 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through | Not Available | 9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static |
| tetrasodium ethylenediaminetetraacetate 64-02-8 | 1.01: 72 h Desmodesmus subspicatus mg/L EC50 | 41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static | Not Available | 610: 24 h Daphnia magna mg/L EC50 |

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Other Adverse Effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Dispose of in accordance with federal, state and local regulations.
Contaminated Packaging: Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT: Not Regulated
Proper Shipping Name: Non Hazardous Product
Special Provisions: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

IMDG: Not Regulated
Proper Shipping Name: Non Hazardous Product

15. REGULATORY INFORMATION

TSCA Status: (Toxic Substance Control Act Section 8(b) Inventory)
 All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA 313
 This product does not contain listed substances above the "de minimus" level

SARA 311/312 Hazard Categories

| | |
|---|-----|
| Acute Health Hazard: | Yes |
| Chronic Health Hazard: | No |
| Fire Hazard: | No |
| Sudden release of pressure hazard: | No |
| Reactive Hazard: | No |

California Proposition 65

This product is not subject to warning requirements under California Proposition 65.

EPA Pesticide Registration Number: 1839-169-5741

EPA Statement:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label:

Danger. Keep out of reach of children. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. May be fatal if absorbed through the skin. Harmful if swallowed. Wear goggles or face shield, rubber gloves, and protective clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

16. OTHER INFORMATION

| | | | | |
|-------------|--------------------------|------------------------|----------------------------|---------------------|
| NFPA | Health Hazards: 3 | Flammability: 0 | Instability: 0 | Special: N/A |
| HMIS | Health Hazards: 3 | Flammability: 0 | Physical Hazards: 0 | |

Revision Date: 14-Aug-2015
Reasons for Revision: Section 11

Disclaimer:

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



Issue date 22-Jul-2019

Safety Data Sheet

Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product name SPRAYPAK SPRAY DISINFECTANT
Chemical name 7-9761-1

Other means of identification

Product code FG 433-4104-4
Synonyms Disinfectant Spray
Registration number(s) 498-179

Recommended use of the chemical and restrictions on use

Recommended Use For disinfection of hard, non-porous, inanimate surfaces.
Uses advised against Do not spray on varnished, painted or plastic surfaces.

Details of the supplier of the safety data sheet

| | |
|---|---|
| Supplier Address Chase Products Co. 2727 Gardner Road Broadview, IL 60155 708-865-1000 | Manufacturer Address Chase Products Co. 2727 Gardner Road Broadview, IL 60155 708-865-1000 |
|---|---|

Emergency Telephone Number

Company Phone Number 708-865-1000
24 Hour Emergency Phone Number 1-800-255-3924
Emergency telephone ChemTel 1-800-255-3924

2. Hazards Identification

Classification

| | |
|-----------------------------------|---------------|
| Serious eye damage/eye irritation | Category 2A |
| FLAMMABLE AEROSOLS | Category 2 |
| Gases Under Pressure | liquefied gas |

Label Elements

EMERGENCY OVERVIEW

Warning

hazard statements

Causes serious eye irritation
Flammable Aerosol
Contains gas under pressure; may explode if heated



Appearance Hazy, yellow liquid

Physical State Aerosol

Odor Perfumed.

FG 433-4104-4 SPRAYPAK SPRAY DISINFECTANT

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves, protective clothing, eye protection and face protection.
Keep away from heat, sparks, open flames and hot surfaces. — No smoking
Pressurized container: Do not pierce or burn, even after use
Do not spray on an open flame or other ignition source

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Precautionary Statements - Storage

Protect from sunlight. Store in a well-ventilated place
Do not expose to temperatures exceeding 122 °F (50 °C)

Hazards not otherwise classified (HNOC)

Other Information

- Toxic to aquatic life with long lasting effects
- 0.69% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/information on Ingredients

| | |
|------------------------|---|
| Synonyms | Disinfectant Spray. |
| Chemical Family | MIXTURES. |
| Formula | 7-9761-1 |
| Chemical nature | Aqueous solution of alcohol and other active ingredients. |

| Chemical name | CAS No | weight-% | Trade secret |
|---------------|-----------|----------|--------------|
| Water | 7732-18-5 | 45-50 | * |
| Ethyl alcohol | 64-17-5 | 30-35 | * |
| N-Butane | 106-97-8 | 10-15 | * |
| Propane | 74-98-6 | 1-5 | * |

Chemical Additions See label for active ingredients information.

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

FIRST AID MEASURES

| | |
|---------------------|---|
| Eye Contact | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| Skin contact | Wash with soap and water. If irritation develops, consult a physician . |
| Inhalation | If overcome by vapor, move person to fresh air. |
| Ingestion | Ingestion from an aerosol product is unlikely to occur. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|--|
| Symptoms | Acute, Deliberate inhalation of concentrated vapor or mist may cause headaches. Prolonged and repeated contact with the eyes may cause mild irritation. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|--------------|
| Note to physicians | None needed. |
|---------------------------|--------------|

5. Fire-fighting measures

Suitable extinguishing media

Dry chemical, CO2 or water spray.

Unsuitable extinguishing media Use water spray or fog; do not use straight streams.

Specific hazards arising from the chemical

Containers are under pressure. Temperatures above 130 °F may cause cans to burst.

Hazardous combustion products Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

Explosion data

Sensitivity to Mechanical Impact Contents under pressure, keep away from heat and open flame.

Sensitivity to Static Discharge Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Protective equipment and precautions for firefighters

Use personal protective equipment as required.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions CONTENTS UNDER PRESSURE. Do not puncture or incinerate cans.

Other Information Keep out of reach of children.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

Methods for cleaning up Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling Avoid getting spray into eyes. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a cool, dry place away from heat and open flame. Avoid storing at below-freezing temperatures. **AEROSOL STORAGE LEVEL I (NFPA-30B)** .

Incompatible Materials Avoid heat, open flame and contact with strong oxidizers.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines See occupational exposure limits listed below.

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------------|----------------|--|---------------------------------|
| Ethyl alcohol 64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm TWA: 1900 mg/m ³ | IDLH: 3300 ppm TWA: 1000 ppm |

FG 433-4104-4 SPRAYPAK SPRAY DISINFECTANT

| | | | |
|----------------------|--|--|--|
| | | (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³ | TWA: 1900 mg/m ³ |
| N-Butane 106-97-8 | STEL: 1000 ppm explosion hazard | (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m ³ | IDLH: 1600 ppm TWA: 800 ppm TWA: 1900 mg/m ³ |
| Propane 74-98-6 | : See Appendix F: Minimal Oxygen Content, explosion hazard | TWA: 1000 ppm TWA: 1800 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m ³ | IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m ³ |

Appropriate engineering controls

Engineering controls Use with adequate general or local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/face Protection Conventional eyeglasses to guard against splashing.

Skin and Body Protection Household type gloves, if desired.

Respiratory protection None required if used in a well-ventilated area .

General hygiene considerations None required.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | | | |
|-----------------------|---------------------|-----------------------|--------------------------|
| Physical State | Aerosol | Odor | Perfumed. |
| Appearance | Hazy, yellow liquid | Odor threshold | No information available |
| Color | clear | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|--|--------------------------|
| pH | 10.5 +/- 0.5 | No information available |
| Melting point/freezing point | NA | No information available |
| Boiling point/boiling range | 212 °F/100 °C | No information available |
| Flash Point | Not available. This is an aerosol product for which Flame Projection is 6-8 inches without flashback. Temperatures above 120 °F may cause cans to burst. | No information available |
| Evaporation Rate | Faster than butyl acetate | No information available |
| Flammability (solid, gas) | | No information available |
| Flammability Limits in Air | | No information available |
| Upper flammability limits | Not available | |
| Lower Flammability Limit | Not available | |
| Vapor pressure | Not available | No information available |
| Vapor Density | | No information available |
| Relative Density | 0.92 concentrate | No information available |
| Water solubility | completely soluble | No information available |
| Solubility in other solvents | | No information available |
| Partition coefficient | | No information available |
| Autoignition Temperature | | No information available |
| Decomposition temperature | | No information available |
| Kinematic viscosity | | No information available |
| Dynamic viscosity | | No information available |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |

Other Information

| | |
|-------------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |

FG 433-4104-4 SPRAYPAK SPRAY DISINFECTANT

VOC content (%) 51.32%
Density No information available
Bulk Density 8.33 Lb/gal

10. Stability and Reactivity

Reactivity

Not applicable No data available

Chemical stability

Stable.

Possibility of hazardous reactions

Temperatures above 130 °F may cause cans to burst with force.

hazardous polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Temperatures above 122 °F (50 °C).

Incompatible Materials

Avoid heat, open flame and contact with strong oxidizers.

Hazardous decomposition products

Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

11. Toxicological Information

Information on likely routes of exposure

Product Information Acute: Prolonged inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation and reddening. Contact with eyes causes irritation.

Inhalation See data below.

Eye Contact No data available.

Skin contact No data available.

Ingestion This is an aerosol product, ingestion is unlikely to occur. MAY BE HARMFUL IF SWALLOWED.

| Chemical name | Oral LD50 | dermal LD50 | Inhalation LC50 |
|--------------------------|----------------------|-------------|------------------------------------|
| Water 7732-18-5 | > 90 mL/kg (Rat) | - | - |
| Ethyl alcohol 64-17-5 | = 7060 mg/kg (Rat) | - | = 124.7 mg/L (Rat) 4 h |
| N-Butane 106-97-8 | - | - | = 658 g/m ³ (Rat) 4 h |
| Propane 74-98-6 | - | - | > 800000 ppm (Rat) 15 min |

Information on toxicological effects

Symptoms See information above.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity Not known chronic effects based on available information.

FG 433-4104-4 SPRAYPAK SPRAY DISINFECTANT

| Chemical name | ACGIH | IARC | NTP | OSHA |
|--------------------------|-------|---------|-------|------|
| Ethyl alcohol 64-17-5 | A3 | Group 1 | Known | X |

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 0.69% of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (inhalation-gas) 1000000
ATEmix (inhalation-vapor) 16447.4 mg/l

12. Ecological Information

ecotoxicity

6.1 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical name | Algae/aquatic plants | Fish | Toxicity to Microorganisms | Crustacea |
|--------------------------|----------------------|--|---|---|
| Ethyl alcohol 64-17-5 | | 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static | EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min | 2: 48 h Daphnia magna mg/L EC50 Static 9268 - 14221: 48 h Daphnia magna mg/L LC50 10800: 24 h Daphnia magna mg/L EC50 |

Persistence and degradability

No information available.

Bioaccumulation

See information below.

| Chemical name | Partition coefficient |
|--------------------------|-----------------------|
| Ethyl alcohol 64-17-5 | -0.32 |
| N-Butane 106-97-8 | 2.89 |
| Propane 74-98-6 | 2.3 |

Other adverse effects No information available

13. Disposal Considerations

Waste treatment methods

Disposal of wastes Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

Contaminated packaging Pressurized container: Do not pierce or burn, even after use.

| Chemical name | California Hazardous Waste Status |
|--------------------------|-----------------------------------|
| Ethyl alcohol 64-17-5 | Toxic Ignitable |

14. Transport Information

DOT

| | |
|-----------------------------|--------------------|
| UN/ID no | Limited Quantity |
| Proper Shipping Name | Consumer Commodity |
| Hazard Class | ORM-D |

IATA

| | |
|-----------------------------|---------------------|
| UN/ID no | UN1950 |
| Proper Shipping Name | Aerosols, flammable |
| Hazard Class | 2.1 |

IMDG

| | |
|-----------------------------|---------------------|
| UN/ID no | UN1950 |
| Proper Shipping Name | Aerosols, flammable |
| Hazard Class | 2.1 |

15. Regulatory information

International Inventories

TSCA All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

DSL All ingredients are listed or are excluded from listing on the DSL.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

This product does not contain toxic chemicals (above the de minimis level) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute Health Hazard | yes |
| Chronic Health Hazard | No |
| Fire Hazard | yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

FG 433-4104-4 SPRAYPAK SPRAY DISINFECTANT

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|--------------------------|------------|---------------|--------------|
| Water 7732-18-5 | | | X |
| Ethyl alcohol 64-17-5 | X | X | X |
| N-Butane 106-97-8 | X | X | X |
| Propane 74-98-6 | X | X | X |

U.S. EPA Label information

EPA Pesticide registration number 498-179

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: CAUTION: May cause eye irritation. Avoid contact with the eyes and skin. Avoid breathing of spray mist. Avoid contamination of foodstuff.

16. Other information

| | | | | |
|-------------|------------------|----------------|--------------------|---|
| <u>NFPA</u> | Health Hazards 1 | Flammability 1 | Instability 1 | Physical and chemical properties Not applicable |
| <u>HMIS</u> | Health Hazards 1 | Flammability 2 | Physical hazards 1 | Personal Protection A - Eyes protection |

Prepared by Regulatory Department
Issue date 22-Jul-2019
Revision note
This SDS supersedes a previous SDS dated June 24, 2015.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet



Safety Data Sheet

Spartan Chemical Company, Inc.

Revision Date: 30-Jul-2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: PEROXY II FBC ANTIBACTERIAL FOAMING BATH & SURFACE CLEANER

Product Number: 3535 , 3536

Recommended Use: Disinfectant

Uses Advised Against: For Industrial and Institutional Use Only

Manufacturer/Supplier: Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

24 Hour Emergency Phone Numbers:

Medical Emergency/Information: 888-314-6171

Transportation/Spill/Leak: CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

Skin Corrosion/Irritation: Category 2

Serious Eye Damage/Eye Irritation: Category 2A

Skin Sensitization: Category 1

GHS Label Elements

Signal Word:

Warning

Symbols:



Hazard Statements:

Causes skin irritation.
Causes serious eye irritation
May cause an allergic skin reaction

Precautionary Statements:

Prevention:

Wash hands and any exposed skin thoroughly after handling.
Wear eye / face protection
Wear protective gloves
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace

Response:

-Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

-Skin

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical attention.

-Specific Treatment:

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

Storage:

Not Applicable

Disposal:

Dispose of contents and container in accordance with local, state and federal regulations.

Hazards Not Otherwise Classified: Not Applicable

Other Information:

- May be harmful if swallowed.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.
- Contains hydrogen peroxide. Ingestion may result in distention of esophagus and stomach.

0.69928% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|-------------------|-----------|----------|
| water | 7732-18-5 | 60-100 |
| hydrogen peroxide | 7722-84-1 | 1-5 |
| citric acid | 77-92-9 | 1-5 |

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Contains hydrogen peroxide. Ingestion may result in distention of esophagus and stomach.

5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
- Specific Hazards Arising from the Chemical:** Combustion products are toxic. Releases oxygen when heated to decomposition which may intensify fire.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
- Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

Incompatible Materials: Sodium hypochlorite (or other hypochlorites).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH |
|--------------------------------|------------|--|--|
| hydrogen peroxide 7722-84-1 | TWA: 1 ppm | TWA: 1 ppm TWA: 1.4 mg/m ³ (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m ³ | IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³ |

Engineering Controls: Provide good general ventilation.
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

Personal Protective Equipment

Eye/Face Protection: Wear splash goggles.
Skin and Body Protection: Wear rubber or other chemical-resistant gloves.
Respiratory Protection: Not required with expected use.
 If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

General Hygiene Considerations: Wash hands and any exposed skin thoroughly after handling.
See 29 CFR 1910.132-138 for further guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|------------------------------|
| Appearance/Physical State: | Liquid |
| Color: | Clear |
| Odor: | Citrus fragrance |
| pH: | 2.5-3.0 |
| Melting Point / Freezing Point: | No information available. |
| Boiling Point / Boiling Range: | 100 °C / 212 °F |
| Flash Point: | > 100 °C / > 212 °F ASTM D56 |
| Evaporation Rate: | < 1 (Butyl acetate = 1) |
| Flammability (solid, gas) | No information available. |
| Upper Flammability Limit: | No information available. |
| Lower Flammability Limit: | No information available. |
| Vapor Pressure: | No information available. |
| Vapor Density: | No information available. |
| Specific Gravity: | 1.02 |
| Solubility(ies): | Soluble in water |
| Partition Coefficient: | No information available. |
| Autoignition Temperature: | No information available. |
| Decomposition Temperature: | No information available. |
| Viscosity: | No information available. |

10. STABILITY AND REACTIVITY

Reactivity: This material is considered to be non-reactive under normal conditions of use.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous Reactions: Not expected to occur with normal handling and storage.
Conditions to Avoid: Extremes of temperature and direct sunlight.
Incompatible Materials: Sodium hypochlorite (or other hypochlorites).
Hazardous Decomposition Products: May include carbon monoxide, carbon dioxide (CO₂) and other toxic gases or vapors.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation.
Symptoms of Exposure:
-Eye Contact: Pain, redness, swelling of the conjunctiva and blurred vision.
-Skin Contact: Pain, redness and cracking of the skin. May cause sensitization by skin contact
-Inhalation: Nasal discomfort and coughing.
-Ingestion: Pain, nausea, vomiting and diarrhea.
Immediate, Delayed, Chronic Effects
Product Information: Data not available or insufficient for classification.

Target Organ Effects: -Eyes. Respiratory System. -Skin.

Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 33390 mg/kg
 ATEmix (dermal): 97438 mg/kg
 ATEmix (inhalation-dust/mist): 97 mg/l

Component Acute Toxicity Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------|----------------------|--|----------------------|
| water 7732-18-5 | > 90 mL/kg (Rat) | Not Available | Not Available |
| hydrogen peroxide 7722-84-1 | = 801 mg/kg (Rat) | = 4060 mg/kg (Rat) = 2000 mg/kg (Rabbit) | = 2 mg/L (Rat) 4 h |
| citric acid 77-92-9 | = 3000 mg/kg (Rat) | Not Available | Not Available |

Carcinogenicity: No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical Name | Algae/Aquatic Plants | Fish | Toxicity to Microorganisms | Crustacea |
|--------------------------------|--|--|----------------------------|--|
| hydrogen peroxide 7722-84-1 | 2.5: 72 h Chlorella vulgaris mg/L EC50 | 16.4: 96 h Pimephales promelas mg/L LC50 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static | Not Available | 7.7: 24 h Daphnia magna mg/L EC50 18 - 32: 48 h Daphnia magna mg/L EC50 Static |
| citric acid 77-92-9 | Not Available | 1516: 96 h Lepomis macrochirus mg/L LC50 static | Not Available | 120: 72 h Daphnia magna mg/L EC50 |

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Other Adverse Effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Dispose of in accordance with federal, state and local regulations.

Contaminated Packaging: Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT: Not Regulated
Proper Shipping Name: Non Hazardous Product

Special Provisions: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

IMDG: Not Regulated
Proper Shipping Name: Non Hazardous Product

15. REGULATORY INFORMATION

TSCA Status: (Toxic Substance Control Act Section 8(b) Inventory)
All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA 313
This product does not contain listed substances above the "de minimus" level

SARA 311/312 Hazard Categories

| | |
|---|-----|
| Acute Health Hazard: | Yes |
| Chronic Health Hazard: | No |
| Fire Hazard: | No |
| Sudden release of pressure hazard: | No |
| Reactive Hazard: | No |

California Proposition 65
This product is not subject to warning requirements under California Proposition 65.

EPA Pesticide Registration Number: 5741-26
EPA Statement:
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label:
CAUTION: Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. For sensitive skin or prolonged exposure, wear gloves. Harmful if inhaled. Avoid breathing vapor or mist. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

16. OTHER INFORMATION

| | | | | |
|-------------|--------------------------|------------------------|----------------------------|---------------------|
| NFPA | Health Hazards: 1 | Flammability: 0 | Instability: 1 | Special: N/A |
| HMIS | Health Hazards: 1 | Flammability: 0 | Physical Hazards: 1 | |

Revision Date: 30-Jul-2015
Reasons for Revision: Section 14 and 15

Disclaimer:
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

ADVANCED ULTRASOUND SOLUTIONS INC.

Safety Data Sheet (SDS)

SONO Ultrasound Wipes | SONO Disinfecting Wipes

REVISION DATE: 2015.07.06

MSDS Number: 000000013627

Version 1.4

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : SONO Ultrasound Wipes | SONO Disinfecting Wipes.
Product Use Description : Disinfect, Sanitize, Clean, Ultrasound Equipment and Transducers. LCD touch screens. EKG machines and cables, Mammography Compressor Plates, Stethoscopes, Exam Tables and all Medical Devices.
Company : Advanced Ultrasound Solutions Inc.
41715 Elm Street, Suite 102
Murrieta CA 92562
Telephone : 1-855-879-4737
Emergency telephone number : CHEMTREC 1-800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 (HazCom2012).

GHS Label element

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 (HazCom2012).

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS-No. | Weight percent |
|---|--------------|----------------|
| Water | 7732-18-5 | 78.5037 |
| Proprietary ingredients | Not Assigned | 20.00 - 22.00 |
| Decyldimethyloctylammonium chloride | 32426-11-2 | 0.0909 |
| Dimethyldioctylammonium chloride | 5538-94-3 | 0.0364 |
| Didecyldimethylammonium chloride | 7173-51-5 | 0.0545 |
| Quaternary ammonium Compounds, benzyl-C12-16-Alkyldimethyl, chlorides | 68424-85-1 | 0.1212 |

ADVANCED ULTRASOUND SOLUTIONS INC.

Safety Data Sheet (SDS)

SONO Ultrasound Wipes | SONO Disinfecting Wipes

REVISION DATE: 2015.07.06

MSDS Number: 000000013627

Version 1.4

SECTION 4. FIRST AID MEASURES

First aid procedures

| | |
|---|---|
| If inhaled | : Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. |
| In case of skin contact | : After contact with skin, wash immediately with plenty of soap and water. Consult a physician. |
| In case of eye contact | : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Call a physician immediately. |
| If swallowed | : Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. |
| Most important symptoms and effects, both acute and delayed | : No information available |
| Notes to physician | : No information available |

SECTION 5. FIREFIGHTING MEASURES

| | |
|---|--|
| Suitable extinguishing media | : Water spray Dry powder Foam |
| Further information | : Use water spray to cool unopened containers. |
| Specific hazards during firefighting | : Heating or fire can release toxic gas. |
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Avoid dust formation. Use personal protective equipment. |
| Environmental precautions | |
| General advice | : Prevent product from entering drains. |
| Methods and materials for containment and cleaning up | : Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not flush into surface water or sanitary sewer system. |

SECTION 7. HANDLING AND STORAGE

| | |
|-----------------------------|--|
| Advice on safe handling | : Provide sufficient air exchange and/or exhaust in work rooms. Avoid formation of respirable particles. Avoid contact with skin and eyes. |
| Conditions for safe storage | : Keep container tightly closed and dry. |

ADVANCED ULTRASOUND SOLUTIONS INC.

Safety Data Sheet (SDS)

SONO Ultrasound Wipes | SONO Disinfecting Wipes

REVISION DATE: 2015.07.06

MSDS Number: 000000013627

Version 1.4

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Personal protective equipment

| | |
|--------------------------|--|
| Eye protection | : Handle in accordance with good industrial hygiene and safety practice. |
| Hand protection | : Handle in accordance with good industrial hygiene and safety practice |
| Skin and body protection | : Choose body protection according to the amount and concentration of the dangerous substance at the work place. |
| Respiratory protection | : In the case of dust or aerosol formation use respirator with an approved filter |
| Hygiene measures | : Wash hands before breaks and immediately after handling the product |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------------------------|-------------------------------|
| Appearance | : wet, Non-woven fabric |
| Colour | : no data available |
| Odour | : varies with fragrance added |
| Odour Threshold | : no data available |
| pH | : 7.0 - 9.0 |
| Melting point/range | : not determined |
| Boiling point/boiling range | : not determined |
| Flash point | : >93.34 °C |
| Evaporation rate | : no data available |
| Upper explosion limit | : NA |
| Lower explosion limit | : NA |
| Vapour pressure | : no data available |
| Relative vapour density | : no data available |
| Solubility(ies) | |
| Water solubility | : soluble |
| Partition coefficient noctanol/water | : no data available |
| Auto-ignition temperature | : no data available |
| Decomposition temperature | : no data available |
| Viscosity, dynamic | : NA |
| Viscosity, kinematic | : NA |

ADVANCED ULTRASOUND SOLUTIONS INC.

Safety Data Sheet (SDS)

SONO Ultrasound Wipes | SONO Disinfecting Wipes

REVISION DATE: 2015.07.06

MSDS Number: 000000013627

Version 1.4

SECTION 10. STABILILTY AND REACTIVITY

| | |
|------------------------------------|---|
| Reactivity | : Stable under recommended storage conditions |
| Chemical stability | : Stable under normal conditions |
| Possibility of hazardous reactions | : None known. Stable |
| Conditions to avoid | : None known |
| Incompatible materials | : Strong oxidizing agents |
| Hazardous decomposition products | : Thermal decomposition can lead to release of irritating gases and vapours |

SECTION 11. TOXICOLOGICAL INFORMATION

| | |
|---|---|
| Information on likely routes of Exposure | : Eyes Skin Ingestion Inhalation |
| Skin corrosion/irritation Skin irritation | : mild skin irritation species: Rabbit |
| Eye damage/irritation Eye irritation | : moderate irritant species: Rabbit |

SECTION 12. ECOLOGICAL INFORMATION

| | |
|--|---------------------|
| Ecotoxicity | : no data available |
| Persistence and degradability | : no data available |
| Bioaccumulative potential | : no data available |
| Mobility in soil | : no data available |
| Other adverse effects | |
| Additional ecological information: No data is available on the product itself. | |

SECTION 13. DISPOSAL CONSIDERATIONS

| | |
|-------------------------|--|
| Disposal methods | |
| Further information | : Dispose of in accordance with local regulations. |
| Contaminated packaging | : Dispose of as unused product. |

SECTION 14. TRANSPORT INFORMATION

| | |
|------------------------|------------------------|
| IATA | Not dangerous goods |
| UN number | : Not applicable |
| Proper shipping name | : Not applicable |
| Transport hazard class | : Not applicable |
| Packing group | : Not applicable |
| Environmental hazards | : no |
| IMDG | Not dangerous goods |
| UN number | : Not applicable |
| Proper shipping name | : Not applicable |
| Transport hazard class | : Not applicable |
| Packing group | : Not applicable |
| Environmental hazards | : Marine pollutant: no |

ADVANCED ULTRASOUND SOLUTIONS INC.

Safety Data Sheet (SDS)

SONO Ultrasound Wipes | SONO Disinfecting Wipes

REVISION DATE: 2015.07.06

MSDS Number: 000000013627

Version 1.4

SECTION 14. TRANSPORT INFORMATION (CONTINUED)

| | |
|--|---------------------|
| ADR | Not dangerous goods |
| UN number | : Not applicable |
| Proper shipping name | : Not applicable |
| Transport hazard class | : Not applicable |
| Packing group | : Not applicable |
| Environmental hazards | : no |
| RID | Not dangerous goods |
| UN number | : Not applicable |
| Proper shipping name | : Not applicable |
| Transport hazard class | : Not applicable |
| Packing group | : Not applicable |
| Environmental hazards | : no |
| DOT | Not dangerous goods |
| UN number | : Not applicable |
| Proper shipping name | : Not applicable |
| Transport hazard class | : Not applicable |
| Packing group | : Not applicable |
| Environmental hazards | : no |
| TDG | Not dangerous goods |
| UN number | : Not applicable |
| Proper shipping name | : Not applicable |
| Transport hazard class | : Not applicable |
| Packing group | : Not applicable |
| Environmental hazards | : no |
| Special precautions for user | : none |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | : Not applicable |

SECTION 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

| | |
|-------------------|----------------------------------|
| Signal word | : CAUTION! |
| Hazard statements | : Causes moderate eye irritation |
| EPA No. | : 6836-340-89018 |

EPCRA - Emergency Planning and Community Right-to-Know Act

| | |
|----------------------|--|
| SARA 311/312 Hazards | : Acute health hazard |
| SARA 302 | : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302 |
| SARA 313 | : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313 |

ADVANCED ULTRASOUND SOLUTIONS INC.

Safety Data Sheet (SDS)

SONO Ultrasound Wipes | SONO Disinfecting Wipes

REVISION DATE: 2015.07.06

MSDS Number: 000000013627

Version 1.4

SECTION 15. REGULATORY INFORMATION (CONTINUED)

US State Regulations

Massachusetts Right To Know Components

: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

: No components are subject to the Pennsylvania Right to know act.

New Jersey Right To Know Components

: No components are subject to the New Jersey Right to know act.

California Prop. 65

: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16. OTHER INFORMATION

Revision Date

: 2015.07.06

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Prepared by: : Product Safety Americas

Email: Technical@ultrasoundwipes.com



Safety Data Sheet

Spartan Chemical Company, Inc.

Revision Date: 21-Jan-2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: CLEAN ON THE GO CLEAN BY PEROXY [15]
Product Number: 4820
Recommended Use: Cleaning agent
Uses Advised Against: For Industrial and Institutional Use Only

Manufacturer/Supplier: Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

24 Hour Emergency Phone Numbers:

Medical Emergency/Information: 888-314-6171
Transportation/Spill/Leak: CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

Skin Corrosion/Irritation: Category 2
Serious Eye Damage/Eye Irritation: Category 2A

GHS Label Elements

Signal Word:

Warning

Symbols:



Hazard Statements:

Causes skin irritation.
Causes serious eye irritation

Precautionary Statements:

Prevention:

Wash hands and any exposed skin thoroughly after handling.
Wear eye / face protection
Wear protective gloves

Response:

-Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

-Skin

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse.

-Specific Treatment:

See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

Storage:

Not Applicable

Disposal:

Not Applicable

Hazards Not Otherwise Classified: Not Applicable

- Other Information:**
- May be harmful if swallowed.
 - Inhalation of vapors or mist may cause respiratory irritation.
 - Keep out of reach of children.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|--|-------------|----------|
| Water | 7732-18-5 | 60-100 |
| Undeceth-3 | 34398-01-1 | 1-5 |
| Hydrogen Peroxide | 7722-84-1 | 1-5 |
| C9-11 Pareth-6 | 68439-46-3 | 1-5 |
| Poly(oxy-1,2-ethanediyl) a,a-[[[3-(decyloxy)propyl]methyliminio]di-2,1-ethane diyl]bis[w-hydroxy-, branched, chlorides | 68478-94-4 | 1-5 |
| Citric Acid | 77-92-9 | 0.1-1 |
| Acid Blue 80 | 4474-24-2 | <0.1 |
| Fragrance | PROPRIETARY | <0.1 |

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Skin Contact:** Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Contains hydrogen peroxide. Ingestion may result in distention of esophagus and stomach.

5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire.
- Specific Hazards Arising from the Chemical:** Combustion products are toxic. Releases oxygen when heated to decomposition which may intensify fire.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

| | |
|--------------------------------|--|
| Storage Conditions: | Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. |
| Incompatible Materials: | Sodium hypochlorite (or other hypochlorites). Metals. |
| Suggested Shelf Life: | Minimum of 2 years from date of manufacture. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH |
|--------------------------------|------------|--|--|
| Hydrogen Peroxide 7722-84-1 | TWA: 1 ppm | TWA: 1 ppm TWA: 1.4 mg/m ³ (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m ³ | IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³ |

Engineering Controls: Provide good general ventilation.
If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

Personal Protective Equipment

Eye/Face Protection: Wear splash goggles.

Skin and Body Protection: Wear rubber or other chemical-resistant gloves.

Respiratory Protection: Not required with expected use.

If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

General Hygiene Considerations: Wash hands and any exposed skin thoroughly after handling.
See 29 CFR 1910.132-138 for further guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--|
| Appearance/Physical State: | Liquid |
| Color: | Light blue |
| Odor: | Pleasant |
| pH: | Undiluted: 2.0-3.0 / Diluted 1:64: 3.0-5.5 |
| Melting Point / Freezing Point: | No information available. |
| Boiling Point / Boiling Range: | 100 °C / 212 °F |
| Flash Point: | > 100 °C / > 212 °F |
| Evaporation Rate: | < 1 (BuAc = 1) |
| Flammability (solid, gas) | No information available. |
| Upper Flammability Limit: | No information available. |
| Lower Flammability Limit: | No information available. |
| Vapor Pressure: | No information available. |
| Vapor Density: | No information available. |
| Specific Gravity: | 1.016 |
| Solubility(ies): | Soluble in water |
| Partition Coefficient: | No information available. |
| Autoignition Temperature: | No information available. |
| Decomposition Temperature: | No information available. |
| Viscosity: | No information available. |

10. STABILITY AND REACTIVITY

Reactivity: This material is considered to be non-reactive under normal conditions of use.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Contact with sodium hypochlorite (or other hypochlorites) releases chlorine gas.

Conditions to Avoid: Extremes of temperature and direct sunlight.

Incompatible Materials: Sodium hypochlorite (or other hypochlorites). Metals.

Hazardous Decomposition Products: May include carbon monoxide, carbon dioxide (CO₂) and other toxic gases or vapors.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation.
Symptoms of Exposure:
-Eye Contact: Pain, redness, swelling of the conjunctiva and blurred vision.
-Skin Contact: Pain, redness and cracking of the skin.
-Inhalation: Nasal discomfort and coughing.
-Ingestion: Pain, nausea, vomiting and diarrhea.
Immediate, Delayed, Chronic Effects
Product Information: Data not available or insufficient for classification.

Target Organ Effects: -Eyes. Respiratory System. -Skin.

Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 8069 mg/kg
 ATEmix (dermal): 39625 mg/kg
 ATEmix (inhalation-gas): 22943 mg/l
 ATEmix (inhalation-dust/mist): 66 mg/l

Component Acute Toxicity Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------|----------------------|--|----------------------------------|
| Water 7732-18-5 | > 90 mL/kg (Rat) | Not Available | Not Available |
| Hydrogen Peroxide 7722-84-1 | = 1518 mg/kg (Rat) | = 2000 mg/kg (Rabbit) = 4060 mg/kg (Rat) | = 2 g/m ³ (Rat) 4 h |
| C9-11 Pareth-6 68439-46-3 | = 1400 mg/kg (Rat) | Not Available | Not Available |
| Citric Acid 77-92-9 | = 3 g/kg (Rat) | Not Available | Not Available |
| Acid Blue 80 4474-24-2 | = 3350 mg/kg (Rat) | Not Available | Not Available |

Carcinogenicity: No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical Name | Algae/Aquatic Plants | Fish | Toxicity to Microorganisms | Crustacea |
|--------------------------------|----------------------|--|----------------------------|--|
| Hydrogen Peroxide 7722-84-1 | Not Available | 16.4: 96 h Pimephales promelas mg/L LC50 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static | Not Available | 18 - 32: 48 h Daphnia magna mg/L EC50 Static |
| Citric Acid 77-92-9 | Not Available | 1516: 96 h Lepomis macrochirus mg/L LC50 static | Not Available | Not Available |

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Other Adverse Effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Dispose of in accordance with federal, state and local regulations.

Contaminated Packaging: Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT: Not Regulated
Proper Shipping Name: Non Hazardous Product
Special Provisions: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

IMDG: Not Regulated
Proper Shipping Name: Non Hazardous Product

15. REGULATORY INFORMATION

TSCA Status: (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA 313

This product does not contain listed substances above the "de minimus" level

SARA 311/312 Hazard Categories

| | |
|---|-----|
| Acute Health Hazard: | Yes |
| Chronic Health Hazard: | No |
| Fire Hazard: | No |
| Sudden release of pressure hazard: | No |
| Reactive Hazard: | No |

California Proposition 65

This product is not subject to warning requirements under California Proposition 65.

16. OTHER INFORMATION

| | | | | |
|-------------|--------------------------|------------------------|----------------------------|---------------------|
| NFPA | Health Hazards: 2 | Flammability: 0 | Instability: 1 | Special: N/A |
| HMIS | Health Hazards: 2 | Flammability: 0 | Physical Hazards: 1 | |

Revision Date: 21-Jan-2019
Reasons for Revision: Section, 3, 7, and, 11

Disclaimer:

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End of Safety Data Sheet



Safety Data Sheet

Spartan Chemical Company, Inc.

Revision Date: 11-Aug-2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: CLEAN ON THE GO TRIBASE MULTI PURPOSE CLEANER [17]
Product Number: 4830
Recommended Use: Cleaning agent
Uses Advised Against: For Industrial and Institutional Use Only

Manufacturer/Supplier: Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee, Ohio 43537 USA
800-537-8990 (Business hours)
www.spartanchemical.com

24 Hour Emergency Phone Numbers:

Medical Emergency/Information: 888-314-6171
Transportation/Spill/Leak: CHEMTREC 800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

Serious Eye Damage/Eye Irritation: Category 2A

GHS Label Elements

Signal Word:

Warning

Symbols:



Hazard Statements:

Causes serious eye irritation

Precautionary Statements:

Prevention:

Wear eye / face protection
Wash hands and any exposed skin thoroughly after handling.

Response:

-Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

-Specific Treatment:

Storage:

Not Applicable

Disposal:

Not Applicable

Hazards Not Otherwise Classified: Not Applicable

Other Information:

- May cause skin irritation.
- May be harmful if swallowed.
- Inhalation of vapors or mist may cause respiratory irritation.
- Keep out of reach of children.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|------------------------------|-------------|----------|
| water | 7732-18-5 | 60-100 |
| alkyl polyglucoside | 68515-73-1 | 1-5 |
| alcohol ethoxylate | 68991-48-0 | 1-5 |
| ethoxylated alkyl quaternary | 61791-10-4 | 1-5 |
| alkyl polyglucoside | 110615-47-9 | 1-5 |
| fragrance | PROPRIETARY | 0.1-1 |

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
- Skin Contact:** Wash with soap and water. If skin irritation occurs: Get medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a poison control center or physician if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
- Note to Physicians:** Treat symptomatically.

5. FIRE-FIGHTING MEASURES

- Suitable Extinguishing Media:** Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
- Specific Hazards Arising from the Chemical:** Dried product is capable of burning. Combustion products are toxic.
- Hazardous Combustion Products:** May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
- Protective Equipment and Precautions for Firefighters:** Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
- Environmental Precautions:** Do not rinse spill onto the ground, into storm sewers or bodies of water.
- Methods for Clean-Up:** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

7. HANDLING AND STORAGE

- Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
- Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Occupational Exposure Limits:** None established.

| | |
|--|---|
| Engineering Controls: | Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. |
| Personal Protective Equipment | |
| Eye/Face Protection: | Wear splash goggles. |
| Skin and Body Protection: | Not required with expected use. |
| Respiratory Protection: | Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered. |
| General Hygiene Considerations: | Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--|
| Appearance/Physical State: | Liquid |
| Color: | dark yellow |
| Odor: | Pleasant |
| pH: | Undiluted: 8.0-9.0 / Diluted 1:64: 7.0-8.0 |
| Melting Point / Freezing Point: | No information available. |
| Boiling Point / Boiling Range: | 100 °C / 212 °F |
| Flash Point: | > 100 °C / > 212 °F ASTM D56 |
| Evaporation Rate: | < 1 (BuAc = 1) |
| Flammability (solid, gas) | No information available. |
| Upper Flammability Limit: | No information available. |
| Lower Flammability Limit: | No information available. |
| Vapor Pressure: | No information available. |
| Vapor Density: | No information available. |
| Specific Gravity: | 1.005 |
| Solubility(ies): | Soluble in water |
| Partition Coefficient: | No information available. |
| Autoignition Temperature: | No information available. |
| Decomposition Temperature: | No information available. |
| Viscosity: | No information available. |

10. STABILITY AND REACTIVITY

| | |
|--|---|
| Reactivity: | This material is considered to be non-reactive under normal conditions of use. |
| Chemical Stability: | Stable under normal conditions. |
| Possibility of Hazardous Reactions: | Not expected to occur with normal handling and storage. |
| Conditions to Avoid: | Extremes of temperature and direct sunlight. |
| Incompatible Materials: | Strong oxidizing agents. Strong acids. |
| Hazardous Decomposition Products: | May include carbon monoxide, carbon dioxide (CO ₂) and other toxic gases or vapors. |

11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| Likely Routes of Exposure: | Eyes, Skin, Ingestion, Inhalation. |
| Symptoms of Exposure: | |
| -Eye Contact: | Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage. |
| -Skin Contact: | Drying of the skin. |
| -Inhalation: | Nasal discomfort and coughing. |
| -Ingestion: | Pain, nausea, vomiting and diarrhea. |
| Immediate, Delayed, Chronic Effects | |
| Product Information: | Data not available or insufficient for classification. |

Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral): 55209 mg/kg

Component Acute Toxicity Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|---------------------|---------------|-----------------|
| water 7732-18-5 | > 90 mL/kg (Rat) | Not Available | Not Available |
| ethoxylated alkyl quaternary 61791-10-4 | = 580 mg/kg (Rat) | Not Available | Not Available |

Carcinogenicity: No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No information available.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Other Adverse Effects: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Dispose of in accordance with federal, state and local regulations.

Contaminated Packaging: Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT: Not Regulated
Proper Shipping Name: Non-Hazardous Product
Special Provisions: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

IMDG: Not Regulated
Proper Shipping Name: Non-Hazardous Product

15. REGULATORY INFORMATION

TSCA Status: (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA 313

This product does not contain listed substances above the "de minimus" level

SARA 311/312 Hazard Categories

| | |
|---|-----|
| Acute Health Hazard: | Yes |
| Chronic Health Hazard: | No |
| Fire Hazard: | No |
| Sudden release of pressure hazard: | No |
| Reactive Hazard: | No |

California Proposition 65

This product is not subject to warning requirements under California Proposition 65.

16. OTHER INFORMATION

| | | | | |
|--------------------|--------------------------|------------------------|----------------------------|---------------------|
| <u>NFPA</u> | Health Hazards: 2 | Flammability: 0 | Instability: 0 | Special: N/A |
| <u>HMIS</u> | Health Hazards: 2 | Flammability: 0 | Physical Hazards: 0 | |

Revision Date: 11-Aug-2015
Reasons for Revision: Section 14 and 15

Disclaimer:

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End of Safety Data Sheet



Spartan Chemical Company, Inc.

Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):
SNB-130

Product Division:
Janitorial

Product Number: 2130

Spartan Chemical Company, Inc.

Product/Technical Information: **1-(800)-537-8990**

1110 Spartan Drive

Medical Emergency: **1-(888)-314-6171 (24 hours)**

Maumee OH 43537

Chemical Leak/Spill Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Corrosive liquids, n.o.s., 8, UN 1760, II, (contains potassium hydroxide)

| NFPA Ratings: | | HMIS Ratings: | |
|--------------------|-------------|----------------------------|------------------|
| Health: | 3 - Serious | Health: | 3 - Serious |
| Fire: | 0 - Minimal | Fire: | 0 - Minimal |
| Reactivity: | 0 - Minimal | Reactivity: | 0 - Minimal |
| | | Pers. Prot. Equip.: | See Section VIII |

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

| Chemical Name(s) | % W | CAS Registry No. | Table Z- 1 - A | | | NTP, IARC or OSHA Carcinogen |
|-------------------------|-------|------------------|-----------------------|------------------------|---------------------------|------------------------------|
| | | | TWA mg/m ³ | STEL mg/m ³ | CEILING mg/m ³ | |
| Sodium metasilicate | 10-15 | 6834-92-0 | Not Established | Not Established | Not Established | No |
| Sodium tripolyphosphate | 1-5 | 7758-29-4 | Not Established | Not Established | Not Established | No |
| Potassium hydroxide | 1-5 | 1310-58-3 | Not Established | Not Established | 2 (NIOSH) | No |
| Phosphate ester | 1-5 | 68130-47-2 | Not Established | Not Established | Not Established | No |

SECTION III: PHYSICAL DATA

| | | | |
|--------------------------------|------------------------------|--|----------|
| Boiling Point: | 212 °F | Vapor Pressure: | Unknown |
| Vapor Density (AIR = 1): | Unknown | Solubility in Water: | Complete |
| pH: | 13.3-13.7 | Specific Gravity (H ₂ O=1): | 1.149 |
| Evaporation Rate (but.ace.=1): | <1 | Percent Solid by Weight: | 16 - 18 |
| Physical State: | Liquid | | |
| Appearance & Odor: | Clear purple liquid, no odor | | |

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

| | | | |
|-----------------------------------|--|------------------|----------|
| Flash Point: | > 212°F | Method Used: | ASTM-D56 |
| Flammable Limits: | N/A | Flame Extension: | N/A |
| Extinguishing Media: | Product does not support combustion. Use extinguishing media appropriate for surrounding fire. | | |
| Special Fire Fighting Procedures: | Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray. | | |
| Unusual Fire & Explosive Hazards: | Combustion products are toxic. | | |

SECTION V: HEALTH HAZARD DATA

| | | | |
|--|---|--------------------------|---------------------------------------|
| Threshold Limit Value: | Not Established | Primary Routes of Entry: | Inhalation, Skin Contact, Eyes & Oral |
| Effects of Overexposure-Conditions to Avoid: | <p>CORROSIVE: CAUSES EYE AND SKIN BURNS: Symptoms include chemical burns, pain, redness, swelling of the conjunctiva and tissue destruction. HARMFUL CONTACT MAY NOT CAUSE IMMEDIATE PAIN. HARMFUL IF SWALLOWED: Causes damage or chemical burns to esophagus and mucous membranes with symptoms of pain, nausea, vomiting and diarrhea. Aspiration of product into the lungs may occur during ingestion or vomiting, resulting in lung injury. HARMFUL IF INHALED: Breathing product vapor or mist may cause irritation or damage of the respiratory tract, with symptoms of nasal discomfort and discharge with chest pain and coughing. DO NOT GET IN EYES, ON SKIN OR CLOTHING. DO NOT BREATHE PRODUCT VAPOR OR MIST. DO NOT SWALLOW. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.</p> | | |
| Conditions Aggravated by Use: | Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis. | | |

Emergency & First Aid Procedures:

| | |
|-------------|---|
| Eyes: | Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. Get medical attention. |
| Skin: | Remove contaminated clothing and shoes. Flush skin with water for at least 15 minutes. Get medical attention if irritation persists. Wash contaminated clothing before reuse. Destroy contaminated shoes. |
| Ingestion: | Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting. Drink one or two glasses of water to dilute product. Do not give anything by mouth to an unconscious person. |
| Inhalation: | In case of respiratory irritation or dizziness; move person to fresh air. Get medical attention if irritation persists. |

SECTION VI: REACTIVITY DATA

| | | | |
|-----------------------------------|------------|---------------------------|-----------------------------------|
| Stability: | Stable | Incompatible Materials: | Strong acids and oxidizing agents |
| Hazardous Decomposition Products: | None known | Hazardous Polymerization: | Will Not Occur |

SECTION VII: SPILL OR LEAK PROCEDURES

| | |
|--|--|
| Steps to be Taken in Case Material is Released or Spilled: | Dike and contain spill with inert material (sand, earth, commercial absorbent, etc.) and transfer to containers for disposal. Rinse area with water and flush to sanitary sewer. Keep spill out of storm sewers and waterways. |
| Waste Disposal Method: | Dispose of in compliance with all federal, state and local laws and regulations. |

SECTION VIII: SPECIAL PROTECTION INFORMATION

| | |
|----------------------------------|--|
| Respiratory Protection: | Not normally required when good general ventilation is provided. However if exposure limits are exceeded (see Section II) or if respiratory irritation occurs, the use of a NIOSH approved respirator suitable for the use-conditions and chemicals listed in Section II should be considered. (N95 recommended) |
| Ventilation: | Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. |
| Protective Gloves(Specify Type): | Solvent/alkali resistant gloves such as neoprene, nitrile or natural rubber/ latex are recommended. |
| Eye Protection(Specify Type): | Splash goggles are recommended to prevent eye contact. |
| Other Protective Equipment: | Solvent /alkali resistant boots, apron and other protective equipment is recommended when foot / body contact is likely. Eye wash stations and washing facilities should be readily accessible in areas where product is handled.. See 29 CFR 1910.132-138 for further guidance. |

SECTION IX: SPECIAL PRECAUTIONS

| | |
|----------------------------------|---|
| Precautions; Handling & Storing: | Keep container tightly closed. Store in a cool, dry area. Do not freeze. Do not store above 120°F. Do not mix with other chemicals. |
| Other Precautions: | Keep out of reach of children. |

© SCC 03/25/2008
SNB-130Name: Ronald T. Cook
Effective 03/25/2008
Date:Title: Manager, Regulatory Affairs
Supercedes: 06/30/2005

Ref: 29 CFR 1910.1200 (OSHA) Changes: Update Section VIII

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.

Earth Laboratories, Inc.


Safety Data Sheet

SECTION I: PRODUCT INFORMATION

| |
|----------------------------------|
| Product Name: FORMULA 14B |
| Product Number: |
| Revision Date: 05/29/2015 |
| Recommended Use: Cleaner |

| |
|--|
| Company Information |
| Earth Laboratories, Inc. |
| 1101 E. Diamond Ave. |
| Evansville, IN 47711 |
| Emergency Phone Number: (866) 203.0535 |

SECTION II: HAZARDS IDENTIFICATION (HEALTH)

| | | | |
|-------------------------------------|--|--|------------------------|
| Threshold Limit Value: | Not Established | Primary Routes of Entry: | Skin, Eyes, Inhalation |
| Effects of Overexposure | Harmful if swallowed. Causes severe skin burns and serious eye damage. May be a respiratory irritant. | | |
| Signal Word: Danger | id: | | |
| GHS CLASSIFICATIONS | H302: Harmful if swallowed H314: Causes severe skin burns and eye damage. | | |
| GHS Phrases | R34/35: Causes burns / severe burns R36/ R37: Irritating to eyes and respiratory system | | |
| GHS Precautionary Statements | P280: Wear protective gloves/eye protection. Wear protective clothing P305: If in eyes, flush with water. Seek medical attention if irritation continues P302: If on skin, wash with water. Seek medical attention if irritation continues. P264: Wash hands and exposed skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P260: Do not breathe fumes/ mist / vapors/ spray. P505: Dispose of contents / container in accordance with local regulation. Response: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take Off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. | | |
| SIGNAL WORD: | DANGER |  | |

| | | | |
|----------------------|---|----------------------|---|
| NFPA Ratings: | | HMIS Ratings: | |
| Health: | 2 | Health: | 2 |
| Fire: | 0 | Reactivity: | 0 |
| Reactivity: | 0 | Flammability: | 0 |

SECTION III: MIXTURE

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

| Chemical Name(s) | % W | CAS Registry No. | Table Z 1 - A | | | Carcinogen |
|--------------------|--------|------------------|-----------------------|------------------------|---------------------------|------------|
| | | | TWA mg/m ³ | STEL mg/m ³ | CEILING mg/m ³ | |
| Urea Hydrochloride | 20-33% | 509-89-8 | n/a | n/a | n/a | No. |

SECTION IV: FIRST AID MEASURES

| | |
|--------------------|--|
| Eyes: | Flush with water for 15 minutes. Remove contact lenses. Seek medical attention if irritation continues. |
| Skin: | Remove contaminated clothing. Wash with water. Seek medical attention if irritation develops. |
| Ingestion: | Do not induce vomiting. Rinse mouth. Do not give anything by mouth to an unconscious person. Seek medical attention if needed. |
| Inhalation: | Remove victim to fresh dsfd |

SECTION V: FIRE & EXPLOSIVE HAZARD DATA

| | | | |
|--|---|-------------------------|-----|
| Flash Point: | Not Established | Method Used: | N/A |
| Flammable Limits: | Not Established | Flame Extension: | N/A |
| Extinguishing Media: | CO2, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam. | | |
| Special Fire Fighting Procedures: | Fight larger fires with water spray or alcohol resistant foam. | | |
| Unusual Fire & Explosive Hazards: | None Known | | |

SECTION VI: ACCIDENTAL RELEASE MEASURES

Wear protective equipment. Keep unprotected persons away. Measures for environmental protection: dilute with plenty of water. Keep away from drains and ground water. Keep all unnecessary personnel away. Spill area may be slippery. Pick up excess with inert absorbent material and place into separate waste container. Ventilate area and wash spill site after material pickup is complete. Consult an expert on disposal of recovered material and ensure conformity to local disposal rules and regulations. Ensure adequate ventilation.

SECTION VII: HANDLING AND STORAGE

| | |
|---|--|
| Precautions, Handling & Storing: | Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only. |
|---|--|

SECTION VIII: EXPOSURE CONTROLS

| | |
|--|--|
| Respiratory Protection: | In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device independent of circulating air |
| Ventilation: | Ensure adequate ventilation. |
| Protective Gloves (Specify Type): | Waterproof / Acid-proof gloves recommended |
| Eye Protection (Specify Type): | Safety glasses or goggles recommended |
| Other Protective Equipment: | N/A |

SECTION IX: PHYSICAL & CHEMICAL PROPERTIES

| | | | |
|--|---------------------------------------|---------------------------------|----------------|
| Boiling Point: | 212 F | Vapor Pressure: | Unknown |
| Vapor Density (AIR = 1): | =H2O | Solubility in Water: | Complete |
| Evaporation Rate (but. ace.=1): | =H2O | Percent Solid by Weight: | 90% |
| Physical State: | Liquid | Flash Point | Not Applicable |
| Appearance & Odor: | Clear to Light Yellow, Characteristic | | |

SECTION X: STABILITY & REACTIVITY

| | | | |
|--|----------------|---------------------------------|-------------------------------|
| Stability: | Stable | Incompatible Materials: | No dangerous reactions known. |
| Hazardous Decomposition Products: | Will not occur | Hazardous Polymerization | Will not occur |

SECTION XI: TOXICOLOGICAL INFORMATION

| | | | |
|---|--|---------------------------------|----------------------------------|
| Threshold Limit Value: | Not Established | Primary Routes of Entry: | Skin, Eyes, Inhalation, and Oral |
| Effects of Overexposure Conditions to Avoid: | Causes eye irritation: Symptoms may include pain, redness, and swelling. Causes skin irritation: Symptoms may include pain, redness, and swelling. May be harmful if swallowed: Symptoms may include nausea, vomiting, pain and diarrhea. Breathing product may cause respiratory irritation. Swallowing will lead to strong caustic effect on mouth and throat. Danger of perforation of esophagus and stomach. | | |

Emergency & First Aid Procedures:

| | |
|--------------------|---|
| Eyes: | Flush with water. Remove contact lenses. Seek medical attention if irritation continues. |
| Skin: | Remove contaminated clothing. Rinse skin for 15 minutes. Seek medical attention if irritation continues. |
| Ingestion: | Do not induce vomiting. Drink two glasses of water to dilute product. Do not give anything by mouth to an unconscious person. Seek medical attention if needed. |
| Inhalation: | Move to fresh air. Seek medical attention if irritation continues. |

SECTION XII: DISPOSAL CONSIDERATIONS

| | |
|---|---|
| Steps to be taken in case Material is Released or Spilled: | Mop or otherwise absorb and hold for disposal. |
| Waste Disposal Method: | Dispose of in compliance with all Federal, State, and Local laws and regulations. |

SECTION XIII: Transport Information

| | |
|-----------------------------|--|
| ADR/RID class: | 8 Corrosive Substances |
| Danger Code | 8 |
| UN NUMBER | 1760 |
| UN NUMBER | 1760 |
| DESCRIPTION OF GOODS | 1760 CORROSIVE LIQUID, N.O.S. (UREA HYDROCHLORIDE) |

| | | | |
|------------------------|---------------------|---------------|---|
| Name: | Anthony D. Richardt | Title: | Project Manager |
| Effective Date: | 05292015 | | <i>Supercedes 06/06/05 & 04/02/05</i> |

*This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.

Material Safety Data Sheet
DIAMOND DISINFECTANT #1000



**DIAMOND
CHEMICAL
COMPANY
INC.**
Union Ave. & DuBois St.
East Rutherford, NJ 07073

DATE PREPARED: 07/18/07
REVISION NUMBER: NEW
EMERGENCY #: 1-800-535-5053 - INFOTRAC
PRODUCT NUMBER: 7280
SUPPLIERS PHONE #: 201-935-4300

SECTION I - IDENTIFICATION

PRODUCT NAME: DIAMOND DISINFECTANT #1000
APPLICATION: LIQUID DISINFECTANT

SECTION II - HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENT | CAS NUMBER | PEL |
|---|-------------------|------------|
| n-Alkyl (C14, 60%; C16, 30%; C12, 5%; C18, 5%) dimethyl benzyl ammonium chloride | 68391-01-5 | |
| n-Alkyl (C12, 68%; C14, 32%) dimethyl ethylbenzyl ammonium chloride | 68956-79-6 | |

SECTION III - PHYSICAL DATA

APPEARANCE: CLEAR RED LIQUID/BLAND ODOR
BOILING POINT: 212 DEGREES F
VAPOR PRESSURE: NA
VAPOR DENSITY (AIR=1): NA
EVAPORATION RATE: NA
SPECIFIC GRAVITY: 0.992
FLAMMABLE LIMITS: NONE
SOLUBILITY IN WATER: COMPLETE
VOLATILITY INCLUDING WATER: NA

SECTION IV - FIRE AND EXPLOSION DATA

FLASHPOINT: NON-FLAMMABLE
EXTINGUISHING MEDIA: NOT FLAMMABLE
UPPER FLAMMABLE LIMIT (% BY VOL): NA
LOWER FLAMMABLE LIMIT (% BY VOL): NA
AUTO-IGNITION TEMPERATURE: NONE KNOWN
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS: UNKNOWN

Material Safety Data Sheet
DIAMOND DISINFECTANT #1000

SECTION V - REACTIVITY DATA

STABILITY CONDITIONS TO AVOID: NONE
HAZARDOUS POLYMERIZATION:..... WILL NOT OCCUR
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON. OXIDES OF NITROGEN.
INCOMPATIBILITY: ANIONIC SURFACTANTS, STRONG OXIDIZING AGENTS
REACTIVITY IN WATER: NONE
CONDITIONS TO AVOID: NONE

SECTION VI - HEALTH DATA

THRESHOLD LIMIT VALUE: NONE
OSHA: NONE
OSHA PEL:..... NONE SET
LISTED CARCINOGEN: NO
MEDICAL CONDITION AGGRAVATED BY EXP: NONE KNOWN
CHRONIC OVER EXPOSURE EFFECTS: REPEATED SKIN CONTACT MAY CAUSE IRRITATION
IARC MONOGRAPHS: NO
NATIONAL TOXICOLOGY PROGRAM: NO
INHALATION:..... REMOVE TO FRESH AIR. CALL A PHYSICIAN
INGESTION: DO NOT INDUCE VOMITING, DRINK LOTS OF WATER, CALL A PHYSICIAN
EYES: SPLASH PROOF GOGGLES
SKIN (DERMAL): WASH WITH SOAP & WATER

SECTION VII FIRST AID

BREATHING (INHALATION): REMOVE TO FRESH AIR. CALL PHYSICIAN.
SWALLOWING (INGESTION): DRINK LARGE AMOUNTS OF WATER. DO NOT INDUCE VOMITING. CALL PHYSICIAN.
EYES: FLUSH WITH WATER FOR 15 MINS. CALL A PHYSICIAN.
SKIN (DERMAL):..... WASH WITH SOAP & WATER
NOTE TO PHYSICIAN: NONE

SECTION VIII EMPLOYEE PROTECTION

RESPIRATORY PROTECTION:..... NONE NEEDED IN NORMAL USE
LOCAL EXHAUST: ADEQUATE
MECHANICAL EXHAUST: NONE
SPECIAL: NONE
OTHERS: NONE
PROTECTIVE CLOTHING: NONE NEEDED IN NORMAL USAGE.

Material Safety Data Sheet
DIAMOND DISINFECTANT #1000

EYE PROTECTION: SPLASH PROOF GOGGLES
PROTECTIVE GLOVES: RUBBER OR PLASTIC

SECTION IX - SPILL AND DISPOSAL DATA

SPILL: SMALL SPILLS FLUSH TO SEWER.

WASTE DISPOSAL: OBSERVE ALL FEDERAL, STATE AND LOCAL REGULATIONS REGARDING DISPOSAL.

OTHER PRECAUTIONS: AVOID PROLONGED SKIN CONTACT

SECTION X - OTHER REGULATORY INFORMATION

HMIS HEALTH: 1
HMIS FLAMMABILITY: 0
HMIS REACTIVITY: 0
HMIS OTHER:..... M

SECTION XI - PRECAUTIONARY LABEL STATEMENTS

WARNING: DANGER

SECTION XII - ADDITIONAL INFORMATION

ADDITIONAL: NONE



Safety Data Sheet

Issue Date: 27-Dec-2011

Revision Date: 22-Dec-2017

Version 3

1. IDENTIFICATION

Product Identifier

Product Name Symmetry Foaming Hand Sanitizer

Other means of identification

SDS # BE-9005

Product Code 9005

UN/ID No UN1170

Recommended use of the chemical and restrictions on use

Recommended Use Hand Sanitizer.

Details of the supplier of the safety data sheet

Supplier Address

Buckeye International, Inc.
2700 Wagner Place
Maryland Heights, MO 63043 USA

Emergency Telephone Number

Company Phone Number 1-314-291-1900
Emergency Telephone (24 hr) Transportation - INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)
Medical - (International) 1-651-632-8956 (North America) 1-800-303-0441

2. HAZARDS IDENTIFICATION

Appearance Clear liquid

Physical state Liquid

Odor Fruity Floral

Classification

Serious eye damage/eye irritation

Category 2

Flammable Liquids

Category 3

Signal Word

Danger

Hazard statements

Causes serious eye irritation
Flammable liquid and vapor



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep container tightly closed
 Ground/bond container and receiving equipment
 Use explosion-proof equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

Toxic to aquatic life with long lasting effects

| |
|--|
| 3. COMPOSITION/INFORMATION ON INGREDIENTS |
|--|

| Chemical Name | CAS No. | Weight-% |
|---------------|---------|----------|
| Ethyl Alcohol | 64-17-5 | 65.26 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

| |
|------------------------------|
| 4. FIRST AID MEASURES |
|------------------------------|

First Aid Measures

| | |
|---------------------|--|
| Eye Contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation persists. |
| Skin Contact | If skin irritation occurs, rinse affected area with water. |
| Inhalation | Remove to fresh air. |
| Ingestion | Drink 2-3 large glasses of water. Do NOT induce vomiting. Call a physician. Never give anything by mouth to an unconscious person. |

Most important symptoms and effects

| | |
|-----------------|---|
| Symptoms | Contact may cause irritation and redness. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Flammable due to alcohol content.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required. Spills may be slippery.

Environmental precautions

Environmental precautions Collect spillage. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Use explosion proof equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from heat, sparks, flame. Keep container closed when not in use. Store at room temperature. Keep from freezing.

Incompatible Materials Chlorine bleach.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------------|----------------|--|--|
| Ethyl Alcohol 64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³ | IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³ |

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection When using product, do not rub eyes.

Skin and Body Protection No special technical protective measures are necessary.

Respiratory Protection No protective equipment is needed under normal use conditions.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

| | | | |
|-------------------------------------|----------------|-------------------------|----------------|
| Physical state | Liquid | | |
| Appearance | Clear liquid | Odor | Fruity Floral |
| Color | Not determined | Odor Threshold | Not determined |
| Property | Values | Remarks • Method | |
| pH | Not available | | |
| Melting Point/Freezing Point | Not determined | | |
| Boiling Point/Boiling Range | 78 °C / 172 °F | | |
| Flash Point | 23 °C / 74 °F | CC (closed cup) | |
| Evaporation Rate | > 1.0 | (Water = 1) | |
| Flammability (Solid, Gas) | n/a-liquid | | |
| Flammability Limits in Air | | | |
| Upper Flammability Limits | Not available | | |
| Lower Flammability Limit | Not available | | |
| Vapor Pressure | Not determined | | |
| Vapor Density | Not determined | | |
| Relative Density | 0.88 | | |
| Water Solubility | Infinite | | |
| Solubility in other solvents | Not determined | | |
| Partition Coefficient | Not determined | | |
| Auto-ignition Temperature | Not determined | | |
| Decomposition Temperature | Not determined | | |
| Kinematic Viscosity | Not determined | | |
| Dynamic Viscosity | Not determined | | |
| Explosive Properties | Not determined | | |
| Oxidizing Properties | Not determined | | |

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Heat, flames and sparks.

Incompatible Materials

Chlorine bleach.

Hazardous Decomposition Products

None under normal use conditions.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

| | |
|----------------------------|--|
| Product Information | Product does not present an acute toxicity hazard based on known or supplied information |
| Eye Contact | Causes serious eye irritation. |
| Skin Contact | Not expected to be a skin irritant during prescribed use. |
| Inhalation | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| Ingestion | Do not ingest. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|------------------------------------|-------------------------------------|---------------------|--------------------------|
| Ethyl Alcohol 64-17-5 | = 7060 mg/kg (Rat) | - | = 124.7 mg/L (Rat) 4 h |
| Water 7732-18-5 | > 90 mL/kg (Rat) | - | - |
| Polydimethylsiloxane 63148-62-9 | > 24 g/kg (Rat) > 17 g/kg (Rat) | > 2 g/kg (Rabbit) | - |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--------------------------|-------|---------|-------|------|
| Ethyl Alcohol 64-17-5 | A3 | Group 1 | Known | X |

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|--------------------------|----------------------|--|---|
| Ethyl Alcohol 64-17-5 | | 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static | 10800: 24 h Daphnia magna mg/L EC50 9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

| Chemical Name | Partition Coefficient |
|--------------------------|-----------------------|
| Ethyl Alcohol 64-17-5 | -0.32 |

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

| | |
|-------------------------------|---|
| Disposal of Wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated Packaging | Disposal should be in accordance with applicable regional, national and local laws and regulations. |

California Hazardous Waste Status

| Chemical Name | California Hazardous Waste Status |
|--------------------------|-----------------------------------|
| Ethyl Alcohol 64-17-5 | Toxic Ignitable |

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

| | |
|----------------------|------------------|
| UN/ID No | UN1170 |
| Proper Shipping Name | Ethanol solution |
| Hazard Class | 3 |
| Packing Group | III |

IATA

| | |
|----------------------|------------------|
| UN/ID No | UN1170 |
| Proper Shipping Name | Ethanol solution |
| Hazard Class | 3 |
| Packing Group | III |

IMDG

| | |
|----------------------|------------------|
| UN/ID No | UN1170 |
| Proper Shipping Name | Ethanol solution |
| Hazard Class | 3 |
| Packing Group | III |

15. REGULATORY INFORMATION**International Inventories**

| Chemical Name | TSCA | DSL/NDSL | EINECS/E LINCS | ENCS | IECSC | KECL | PICCS | AICS |
|----------------------|------|----------|-------------------|---------|-------|---------|-------|------|
| Ethyl Alcohol | X | X | X | Present | X | Present | X | X |
| Water | X | X | X | X | X | Present | X | X |
| Polydimethylsiloxane | X | X | | | X | Present | X | X |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations**SARA 313**

Not determined

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name | California Proposition 65 |
|-------------------------|-----------------------------|
| Ethyl Alcohol - 64-17-5 | Carcinogen Developmental |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|--------------------------|------------|---------------|--------------|
| Ethyl Alcohol 64-17-5 | X | X | X |

16. OTHER INFORMATION

| | | | | |
|--------------------|---|---------------------------------------|---|--|
| <u>NFPA</u> | Health Hazards 0 | Flammability 3 | Instability 0 | Special Hazards Not determined |
| <u>HMIS</u> | Health Hazards Not determined | Flammability Not determined | Physical hazards Not determined | Personal Protection Not determined |

Issue Date: 27-Dec-2011
Revision Date: 22-Dic-2017
Revision Note: Telephone number update

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet

SAFETY DATA SHEET
SANIT HAND SANITIZER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|-------------------------------|---|
| Product name | SANIT HAND SANITIZER |
| Item# | 59385 |
| Other means of identification | not applicable |
| Recommended use | Hand Sanitizer |
| Restrictions on use | Reserved for industrial and professional use. |
| Product dilution information | Product is sold ready to use. |
| Company | Unified Solutions for Cleaning 3 Evans Terminal Rd Hillside, NJ USA 07205 |
| Issuing date | 03/24/2020 |

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

| | |
|-------------------|-------------|
| Flammable liquids | Category 3 |
| Eye irritation | Category 2A |

GHS Label element

Hazard pictograms



Signal Word Warning

Hazard Statements Flammable liquid and vapor.
Causes serious eye irritation.

Precautionary Statements **Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove
contact lenses, if present and easy to do. Continue rinsing. If eye
irritation persists: Get medical advice/ attention. In case of fire: Use
dry sand, dry chemical or alcohol-resistant foam for extinction.
Storage:
Store in a well-ventilated place. Keep cool.
Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Other hazards None known.

SAFETY DATA SHEET
SANIT HAND SANITIZER

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture Mixture

| Chemical Name | CAS-No. | Concentration(%) |
|----------------------|----------------|-------------------------|
| isopropyl alcohol | 67-63-0 | 60 - 80 |

SECTION 4. FIRST AID MEASURES

| | |
|----------------------------|--|
| In case of eye contact | Rinse with water. |
| In case of skin contact | Rinse with water. |
| If swallowed | Rinse mouth. Get medical attention if symptoms occur. |
| If inhaled | Get medical attention if symptoms occur. |
| Protection of first-aiders | No special precautions are necessary for first aid responders. |
| Notes to physician | Treat symptomatically. |

See toxicological information (Section 11)

SECTION 5. FIRE-FIGHTING MEASURES

| | |
|--|--|
| Suitable extinguishing media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | High volume water jet |
| Specific hazards during fire fighting | Fire Hazard Keep away from heat and sources of ignition. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. |
| Hazardous combustion products | Carbon oxides |
| Special protective equipment for fire-fighters | Use personal protective equipment. |
| Specific extinguishing methods | Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/ national regulations (see

SECTION 7. HANDLING AND STORAGE

Advice on safe handling Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from fire, sparks and heated surfaces.

Conditions for safe storage Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

| Component | ACGIH TLV | OSHA PEL | NIOSH IDLH | Mexico OEL (TWA) |
|-------------------|-------------------------------|---|---|---|
| Isopropyl alcohol | TWA: 200 ppm STEL: 400 ppm | (Vacated) TWA: 400 ppm (Vacated) TWA: 980 mg/m ³ (Vacated) STEL: 500 ppm (Vacated) STEL: 1225 mg/m ³ TWA: 400 ppm TWA: 980 mg/m ³ | IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³ | TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³ |

Engineering measures Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

| | |
|------------------------|---|
| Eye protection | No special protective equipment required. |
| Hand protection | No special protective equipment required. |
| Skin protection | No special protective equipment required. |
| Respiratory protection | No personal respiratory protective equipment normally required. |
| Hygiene measures | No specific measures identified. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-------------------|
| Appearance | gel |
| Color | opaque, white |
| Odor | alcoholic |
| PH | 6.3 - 8.5, 100 % |
| Flash point | 18 °C closed cup |
| Odor Threshold | no data available |
| Melting point/freezing point | no data available |
| Initial boiling point and boiling range | no data available |

| | |
|--|-------------------|
| Evaporation rate | no data available |
| Flammability (solid, gas) | no data available |
| Upper explosion limit | no data available |
| Lower explosion limit | no data available |
| Vapor pressure | no data available |
| Relative vapor density | no data available |
| Relative density | 0.869 - 0.873 |
| Water solubility | no data available |
| Solubility in other solvents | no data available |
| Partition coefficient: n-octanol/water | no data available |
| Autoignition temperature | no data available |
| Thermal decomposition | no data available |
| Viscosity, kinematic | no data available |
| Explosive properties | no data available |
| Oxidizing properties | no data available |
| Molecular weight | no data available |
| VOE | no data available |

SECTION 10. STABILITY AND REACTIVITY

| | |
|------------------------------------|---|
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Heat, flames and sparks. |
| Incompatible materials | None known. |
| Hazardous decomposition products | Carbon oxides |

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

| | |
|------------------|---|
| Eyes | Causes serious eye irritation. |
| Skin | Health injuries are not known or expected under normal use. |
| Ingestion | Health injuries are not known or expected under normal use. |
| Inhalation | Health injuries are not known or expected under normal use. |
| Chronic Exposure | Health injuries are not known or expected under normal use. |

Experience with human exposure

| | |
|--------------|--------------------------------|
| Eye contact | Redness , Pain, Irritation |
| Skin contact | No symptoms known or expected. |
| Ingestion | No symptoms known or expected. |
| Inhalation | No symptoms known or expected. |

Toxicity

| | |
|-----------------------------------|---|
| Acute oral toxicity | Acute toxicity estimate > 5,000 mg/kg |
| Acute inhalation toxicity | no data available |
| Acute dermal toxicity | no data available |
| Skin corrosion/irritation | no data available |
| Serious eye damage/eye irritation | no data available |
| Respiratory or skin sensitization | no data available |
| Carcinogenicity | |
| IARC | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| OSHA | No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |
| NTP | No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. |
| Reproductive effects | no data available |
| Germ cell mutagenicity | no data available |
| Teratogenicity | no data available |
| STOT-single exposure | The substance or mixture is not classified as specific target organ toxicant, single exposure. |
| STOT-repeated exposure | no data available |
| Aspiration toxicity | no data available |

Ingredients

| | |
|---------------------------|---|
| Acute inhalation toxicity | Isopropyl Alcohol 4 h LC50 rat: 117 mg/l |
|---------------------------|---|

Ingredients

| | |
|-----------------------|--|
| Acute dermal toxicity | Isopropyl Alcohol LD50 rabbit: 15,800 mg/kg |
|-----------------------|--|

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

| | |
|-----------------------|--------------------------|
| Environmental Effects | Harmful to aquatic life. |
|-----------------------|--------------------------|

SAFETY DATA SHEET

Product

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

Ingredients

Isopropyl alcohol

Toxicity to fish : 96 h LC50 Fish: 11,000 mg/l

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects

no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste : D001 (Ignitable)

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN number : 1219
Description of the goods : Isopropyl Alcohol
Class : 3
Packing group : II
Environmentally hazardous : no

Sea transport (IMDG/IMO)

UN number : 1219
Description of the goods : Isopropyl Alcohol

SAFETY DATA SHEET

| | |
|------------------|----|
| Class | 3 |
| Packing group | II |
| Marine pollutant | no |

SECTION 15. REGULATORY INFORMATION

EPCRA- Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards Fire Hazard
 Acute Health Hazard

SARA 302 SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III , Section 302.

SARA 313 SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title 111 , Section 313.

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

1907/2006 (EU) :
not determined

Switzerland. New notified substances and declared preparations :
not determined

United States TSCA Inventory :
On TSCA Inventory

Canadian Domestic Substances List (DSL) :
This product contains one or several components that are not on the Canadian DSL nor NDSL.

Australia Inventory of Chemical Substances (AICS) :
not determined

New Zealand. Inventory of Chemical Substances :
not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :
not determined

Japan. ISHL - Inventory of Chemical Substances (METI) :
not determined

Korea. Korean Existing Chemicals Inventory (KECI) :
not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

SAFETY DATA SHEET

not determined

China. Inventory of Existing Chemical Substances in China (IECSC) :

not determined

SECTION 16. OTHER INFORMATION

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

SAFETY DATA SHEET**SECTION 1 - IDENTIFICATION****Product Identifier:** HAND SANITIZER**Product Code:** N/A**Product Use:** N/A**Chemical Family:** Alcohol**Supplier:** FarfromBoring Promotions
6401 Congress Ave, Ste 215
Boca Raton, FL 33481-2841**24 Hr. Emergency Tel.#:** CHEMTREC 1-800-424-9300**SECTION 2 - HAZARDS IDENTIFICATION****Classification of the Substance or Mixture:**

Eye Irritation - Category 2

Flammable Liquids - Category 2

Specific Target Organ Toxicity - Single Exposure - Category 3

**Signal Word:** DANGER**Hazard Statements:**

Causes serious eye irritation

Highly flammable liquid and vapor

May cause drowsiness and dizziness

Precautionary Statements:**Prevention**

Wash hands thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection.

Keep away from heat/sparks/open flames/hot surfaces - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment

Use explosion-proof electrical/ventilating/light/equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Do not breathe dust/fume/gas/mist/vapors/spray.

Response**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of fire: Use water for extinction.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.**IF EYE IRRITATION PERSISTS:** Get medical advice/attention.

If exposed: Call a Poison Center or doctor/physician.

Storage

Store locked up.

Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents/container in accordance with local regulations.

Hazards not Otherwise Classified:

No other hazards classified.



SAFETY DATA SHEET

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients: | Concentration: |
|--------------------|----------------|
| Ethyl Alcohol | 70.525% |
| Glycerol | 1.45% |
| Hydrogen Peroxide | 0.125% |
| Aloe | 0.1% |
| Carbomer | 0.1% |
| Ethanolamine | 0.1% |
| Polythylene Glycol | 0.2% |
| Water USP | 27.4% |

SECTION 4 - FIRST-AID MEASURES

Inhalation: Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

Skin Contact: Rinse/wash with lukewarm, gently flowing water and mild soap for 5 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention.

Eye Contact: Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth. If you feel unwell, or if concerned: Get medical advice/attention.

Most Important Symptoms and Effects, both Acute and Delayed: Contact with eyes can cause irritation.

Indication of any Immediate Medical Attention and Special Treatment Needed: Treat symptomatically

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Use water spray, powder, foam, carbon dioxide.

Special hazards arising from the substance or mixture: Emits toxic fumes under fire conditions.

Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012): Flammable Liquid - Category 2

Hazardous Combustion Products: Carbon oxides

Special protective equipment and precautions for firefighters: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Methods and materials for containment and cleaning up: Contain and recover liquid when possible. Do not let product enter drains. Residues from spills can be absorbed with dry earth, sand or other non-combustible material and disposed of in appropriate container.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

Conditions for Safe Storage: Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well-ventilated area away from heat or open flame.

Incompatible Materials: Avoid strong oxidizing agents, soft metals, acids, and heat.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation and engineering measures: Forced air, local exhaust, or open air is adequate.

Respiratory Protection: In case of confined spaces or high levels encountered in the air, wear self contained breathing apparatus.

Skin Protection: Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

Eye/Face Protection: Wear safety glasses, goggles and/or face shield to prevent eye contact.

Other Protective Equipment: Eye wash facility and emergency shower should be in close proximity.

General Hygiene Conditions: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid

Odor: Alcohol like

pH: 6.5-9.0

Melting/Freezing point: -114°C (-173°F)

Initial boiling point and boiling range: 74-80°C/165-175°F)

Flash Point: N/A

SAFETY DATA SHEET

Flammability (solid, gas): Flammable
Lower flammable limit (% by vol.): 2
Upper flammable limit (% by vol.): 12.7
Vapor Pressure (mm Hg): 33 at 20°C
Vapor Density (air=1): 2.1
Specific gravity: 0.79 g/mL
Solubility in Water: Complete
Auto Ignition Temperature: 399°C (750.2°F)
Viscosity: 5-20 cSt at 20°C / 68°F

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions
Possibility of Hazardous Reactions: None known
Conditions to Avoid: Incompatible materials and high temperatures
Incompatible Materials: Avoid acids or strong oxidizers when using or storing this product.
Hazardous Decomposition Products: Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry - inhalation: YES
Routes of entry - skin & eye: YES
Routes of entry - ingestion: YES
Routes of entry - skin absorption: YES

Potential Health Effects:

Signs and symptoms of short term (acute) exposure:

Inhalation: May cause irritation to respiratory system in mist/vapor form. May cause headaches, dizziness, nausea, weakness and drowsiness.
Ingestion: May cause nausea, vomiting, abdominal pain, gastrointestinal tract burns, gastrointestinal upset and/or diarrhea.
Skin: May cause skin irritation including redness, edema, swelling, rash, scaling or blistering, drying and/or cracking of skin.
Eye: Vapors cause eye irritation. Splashes cause severe eye irritation.

Potential Chronic Health Effects:

Mutagenicity: No information available
Carcinogenicity: Not listed as a carcinogen with IARC, NTP or OSHA
Reproductive effects: IPA (isopropyl) has been shown to cause harm to the fetus in laboratory animal studies. The relevance of these findings to humans is uncertain.
Sensitization to material: Not found to be a sensitizer.
Specific target organ effects: Exposure to IPA (isopropyl) has been found to cause kidney damage in male rats.
Medical conditions aggravated by overexposure: Overexposure to IPA (isopropyl) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects

Toxicological data: The calculated ATE values for this mixture are:

ATE oral = >5000mg/kg
ATE dermal = >5000mg/kg
ATE inhalation (vapors)= >20mg/l

SECTION 12 - ECOLOGICAL INFORMATION

Persistence and degradability: No information available
Bioaccumulation potential: Product has a low potential for bioaccumulation
Mobility in soil: Product is water soluble and moves readily through soil and the water column.

SECTION 13 - DISPOSAL CONSIDERATIONS



SAFETY DATA SHEET

Handling for disposal: Do not contaminate water, food, or feed by storage and/or disposal. When handling refer to protective measures listed in sections 7 and 8. Empty residue from containers, rinse container well.

Method of disposal: Dispose of in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA: Not a listed RCRA hazardous waste.

SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standards are NOT identical and therefore can have varying classifications

US 49 CFR/DOT/IATA/IMDG Information:

UN No.: 1987

UN Proper Shipping Name: Alcohols, n.o.s.

Transportation hazard class(es): 3

Packing Group: II

Environmental hazards: Not a Marine Pollutant

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA information: CAS # 67-63-0 is listed on the TSCA inventory

US CERCLA Reportable quantity (RQ): No RQ listed

SARA Title III: Acute Health Hazard, Fire Hazard.

US State Right to Know Laws: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 - OTHER INFORMATION

Legend:

SARA: The Superfund Amendments and Reauthorization Act

RCRA: Resource Conservation and Recovery Act

TSCA: Toxic Substances Control Act

CFR: Code of Federal Regulations

DOT: Department of Transportation

ATE: Acute Toxicity Estimate

Revision No.: 1

Preparation date: 3/20/2020