

**12% Hydrogen Peroxide Gel for Tooth Whitening**  
**SAFETY DATA SHEET**

**maxill**

**1. IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER**

**Product Identifier:** 12% Hydrogen Peroxide Gel for Tooth Whitening  
**Product Form:** Gel  
**Other means of identification:** Harmonized Code 284700002000

**Supplier Details:**  
maxill Inc.  
80 Elm St.  
St. Thomas, ON, Canada, N5R 6C8

**Supplier Details:**  
**CANADA**  
maxill inc.  
80 Elm St.  
St. Thomas, ON, Canada, N5R 6C8

**USA**  
maxill inc.  
500 W. Main Street  
Cortland, OH  
44410

**HK**  
maxill inc.  
Rm C, 14/F, Golden Bear Ind. Centre,  
66-82 Chai Wan Kok Street, Tsuen Wan, Hong Kong

**Emergency Contact:** maxill inc. 519-631-7370, HK (852) 2648-7828

**24 hours:** In Canada, CANUTEC: 613-996-6666

In USA/Canada, ChemTel: 1-800-255-3924, outside USA/Canada 1-813-248-0585

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**2. HAZARDS IDENTIFICATION**

**Classification of the Substance or Mixture:**

**Classification**

Flam. Liq. 3 H226  
Ox. Liq. 3 H272  
Skin Irrit. 2 H315  
Eye Dam. 1 H318  
Skin Sens. 1 H317

**Label Elements:**  
**Labeling**



**Signal Word:** Danger  
**Hazard Statements:** H226 – Flammable liquid and vapor.  
H272 – May intensify fire; oxidizer.  
H315 – Causes skin irritation.  
H317 – May cause an allergic skin reaction  
H318 – Causes serious eye damage

**Precautionary Statements:** P210 – Keep away from sparks, open flames, heat, hot surfaces. – No smoking.

MP-REF-40540S

# 12% Hydrogen Peroxide Gel for Tooth Whitening

## SAFETY DATA SHEET



P221 – Take any precaution to avoid mixing with combustible materials.  
P233 – Keep container tightly closed.  
P240 – Ground/bond container and receiving equipment.  
P241 – Use explosion-proof lighting, ventilation, electrical equipment.  
P242 – Use only non-sparking tools.  
P243 – Take precautionary measures against static discharge.  
P261 – Avoid breathing vapors, mist, spray.  
P264 – Wash hands, forearms, and exposed areas thoroughly after handling.  
P272 – Contaminated work clothing must not be allowed out of the workplace.  
P280 – Wear protective gloves, protective clothing, eye protection.  
P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER/doctor.  
P321 - Specific treatment (see Section 4).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P370+P378 - In case of fire: Use water spray, foam, dry powder, carbon dioxide to extinguish.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

**Other Hazards** Harmful to aquatic life. Avoid release to the environment. Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

**Unknown Acute Toxicity** Not available

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

#### Mixture

Name	Product Identifier	% (w/w)	Classification
Water-d2	(CAS No) 7789-20-0	29.7115	Not classified
Glycerin	(CAS No) 56-81-5	26	Aquatic Acute 3, H402
Propylene glycol monomethyl ether	(CAS No) 107-98-2	18.74	Flam. Liq. 3, H226 STOTSE 3, H336
Hydrogen peroxide	(CAS No) 7722-84-1	15.9985	9985 Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation: dust, mist), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOTSE 3, H335 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Triethanolamine	(CAS No) 102-71-6	6	Not classified
Acrylic resin	(CAS No) 9003-01-4	2.95	Comb. Dust
Oils, peppermint	(CAS No) 8006-90-4	0.6	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411

### 4. FIRST AID MEASURES

# 12% Hydrogen Peroxide Gel for Tooth Whitening

## SAFETY DATA SHEET



### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash with plenty of soap and water. Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes. Immediately call a POISON CENTER or doctor/physician.

**Ingestion:** Rinse mouth. Do NOT induce vomiting.

### Most important Symptoms and Effects Both Acute and Delayed

**General:** Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.

**Inhalation:** May cause respiratory irritation. May cause drowsiness or dizziness.

**Skin Contact:** Causes skin irritation. May cause an allergic skin reaction.

**Eye Contact:** Causes serious eye damage.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

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## 5. FIRE FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide, foam, dry chemical.

**Unsuitable Extinguishing Media:** A heavy water stream may spread burning liquid.

### Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Flammable liquid and vapor. May intensify fire; oxidizer. Will burn if exposed to heat, and in addition, will accelerate the burning of other combustibles, resulting in more rapid spread of fire.

**Explosion Hazard:** May form flammable/explosive vapor-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### Advice for Firefighters

**Precautionary Measures Fire:** Not available

**Firefighting Instructions:** Exercise caution when fighting any chemical fire. Fight fire remotely due to the risk of explosion.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Oxygen. Nitrogen oxides. Glycerin decomposes to produce corrosive fumes of Acrolein.

**Reference to Other Sections** Refer to section 9 for flammability properties.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid all eyes and skin contact and do not breathe vapor and mist. No naked lights. No smoking. Do not allow product to spread into the environment.

# 12% Hydrogen Peroxide Gel for Tooth Whitening

## SAFETY DATA SHEET



### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Ventilate area. Eliminate ignition sources.

### Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### Methods and Material for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Use only non-sparking tools.

**Methods for Cleaning Up:** Clear up spills immediately and dispose of waste safely. Collect the residue by means of a noncombustible absorbent material. After cleaning, flush traces away with water.

### Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

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## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Additional Hazards When Processed:** Handle empty containers with care because residual vapors are flammable. Hazardous waste due to potential risk of explosion.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

### Conditions for Safe Storage, including Any Incompatibilities

**Technical Measures:** Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof ventilating, lighting, electrical equipment.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container tightly closed. Keep in fireproof place.

**Incompatible Materials:** Strong acids. Strong bases. Combustible materials. Organic materials. Reducing agents.

**Storage Area:** Store in a well-ventilated place. Keep cool. Specific End Use(s) Apply to the teeth for 10-20 minutes

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Take precautionary measures against static discharges. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapors may be released.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles.

**Materials for Protective Clothing:** Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing. Hand Protection: Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or face shield.

# 12% Hydrogen Peroxide Gel for Tooth Whitening

## SAFETY DATA SHEET



**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

**Other Information:** When using, do not eat, drink or smoke.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state, color, etc.)</b>	Liquid, Clear gel with bubbles
<b>Odor</b>	Mint or Other
<b>Freezing point</b>	Not available
<b>Initial boiling point</b>	100 °C (212.00 °F)
<b>Flash point</b>	60 °C (140.00 °F)
<b>Evaporation rate</b>	Not Available
<b>Flammability (solid, gas)</b>	Not Available
<b>Upper / Lower flammability or explosive limits</b>	Not Available
<b>Vapor pressure</b>	Not Available
<b>Vapor Density</b>	Not Available
<b>Relative Density</b>	1.05 – 1.1 g/mL
<b>Solubility(ies)</b>	Soluble in water
<b>Decomposition temperature</b>	Not Available
<b>pH</b>	5.3 – 5.7
<b>Viscosity</b>	Variable
<b>Explosion Data – Sensitivity to Mechanical Impact</b>	Not expected to present an explosion hazard due to mechanical impact.
<b>Explosion Data – Sensitivity to Static Discharge</b>	Not expected to present an explosion hazard due to static discharge.

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## 10. STABILITY AND REACTIVITY

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Flammable liquid and vapor. May form flammable/explosive vapor-air mixture. May intensify fire; oxidizer.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

**Incompatible Materials:** Strong acids. Strong bases. Combustible materials. Organic materials. Reducing agents.

**Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>). Acrolein.

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## 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

**Acute Toxicity:** Not classified

**LD50 and LC50 Data:** Not available Skin Corrosion/Irritation: Causes skin irritation. (At concentrations of 5% to 20%, hydrogen peroxide is classified as a skin irritant.) (pH: 5.3 - 5.7)

# 12% Hydrogen Peroxide Gel for Tooth Whitening

## SAFETY DATA SHEET



**Serious Eye Damage/Irritation:** Causes serious eye damage. (pH: 5.3 - 5.7) **Respiratory or Skin Sensitization:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not available

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/injuries After Inhalation:** May cause respiratory irritation. May cause drowsiness or dizziness.

**Symptoms/injuries After Skin Contact:** Causes skin irritation. May cause an allergic skin reaction.

**Symptoms/injuries After Eye Contact:** Causes serious eye damage.

**Symptoms/injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

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## 12. ECOLOGICAL INFORMATION

### Toxicity

**Ecology – General:** Harmful to aquatic life.

**Persistence and Degradability** Not established. May cause long-term effects in the environment.

**Bio-accumulative Potential** Not established.

**Mobility in Soil** Not available

### Other Adverse Effects

**Other Information:** Avoid release to the environment.

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## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Additional Information:** Handle empty containers with care because residual vapors are flammable. Clean up even minor leaks or spills if possible without unnecessary risk.

**Ecology – Waste Materials:** This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

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## 14. TRANSPORT INFORMATION

UN number	UN2984	
UN proper shipping name	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	
Transport hazard class(es)	5.1	

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<b>Packing group (if applicable)</b>	III	
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**IMDG**

EMS-No: F-H, S-Q

**DOT**

ERG Number: 140

**IATA**

ERG Code: 5L

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**15. REGULATORY INFORMATION**

All ingredients are on the following inventories or are exempted from listing

<b>Country</b>	<b>Notification</b>
Australia	AICS
Canada	DSL
China	IECS
European Union	EINECS
Japan	ENCS/ISHL
Korea	ECL
New Zealand	NZIoC
Philippines	PICCS
United States of America	TSCA

**SARA 302 Components**

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

**SARA 311/312 Hazards**

Acute Health Hazard  
Chronic Health Hazard  
Fire Hazard

**U.S. Massachusetts Right to Know Components**

Glycerin CAS-No. 56-81-5, Propylene glycol monomethyl ether CAS-No. 107-98-2, Hydrogen Peroxide CAS No. 7722-84-1, Triethanolamine CAS-No. 102-71-6

**U.S. Pennsylvania Right to Know Components**

Glycerin CAS-No. 56-81-5, Propylene glycol monomethyl ether CAS-No. 107-98-2, Hydrogen Peroxide CAS No. 7722-84-1, Triethanolamine CAS-No. 102-71-6

**U.S. New Jersey Right to Know Components**

Glycerin CAS-No. 56-81-5, Propylene glycol monomethyl ether CAS-No. 107-98-2, Hydrogen Peroxide CAS No. 7722-84-1, Triethanolamine CAS-No. 102-71-6



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**16. OTHER INFORMATION:  
INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS**

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