

Safety Data Sheet

HAND SANITIZER GEL

Version: V1.0.0.1

Report No.: NAR20LC1I



Creation Date: 2020/03/10

Revision Date: 2020/03/10

***Prepared according to EU regulation No. 2015/830**

1 Identification

Product identifier

Product Name	Hand Sanitizer Gel
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	-

Recommended use of the chemical and restrictions on use

Recommended use	Hand Sanitizer
Restrictions on use	This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

Details of the supplier of the Safety Data Sheet

Name of the company	
Address of the company	
Post code	
Telephone number	
Fax number	
E-mail address	

Emergency phone number

Emergency phone number	0754-89862302
------------------------	---------------

2 Hazards identification

CLP classification according to Regulation (EC) No. 1272/2008

Flammable Liquids	Category 2
-------------------	------------

Label elements

Hazard pictograms	
Signal word	Danger

Hazard statements

H225	Highly flammable liquid and vapor
------	-----------------------------------

Precautionary statements

◆ Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

◆ Response

P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].
----------------	--

◆ Storage

P403+P235	Store in a well-ventilated place. Keep cool.
-----------	--

◆ Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
------	---

Other hazards

	Not applicable
--	----------------

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	Cas No.	Concentration (weight percent, %)
ALCOHOL	64-17-5	75
AQUA	7732-18-5	24.2
CARBOMER	9007-16-3	0.4
TRIETHANOLAMINE	102-71-6	0.4

4 First aid measures**Description of first aid measures**

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Skin contact	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Ingestion	Rinse mouth. Refer for medical attention.
Inhalation	Fresh air, rest.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed

1	Please see section 11.
---	------------------------

Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

5 Firefighting measures**Extinguishing media**

Suitable extinguishing media	Use extinguishing agent suitable for type of surrounding fire.
Unsuitable extinguishing media	No special notes.

Specific hazards arising from the substance or mixture

1	May expansion or decompose explosively when heated or involved in fire.
2	Development of hazardous combustion gases or vapor possible in the event of fire.

Advice for firefighters

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 Accidental release measures**Personal precautions, protective equipment and emergency procedures**

1	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
2	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
3	Use personal protective equipment. Avoid breathing vapors, mist or gas.

Environmental precautions

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

1	Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
2	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
3	Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

7 Handling and storage**Advice on safe handling**

For personal protection see section 8.
 Keep away from heat and flame.
 Use with local exhaust ventilation.
 Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.

8 Exposure controls/personal protection

Control parameters

◆ Components with workplace control parameters

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
ALCOHOL 64-17-5	USA - OSHA	1000	1900	-	-
	South Korea	1000	1900	-	-
	Ireland	-	-	1000	-
	Germany (AGS)	500	960	1000	1920
	Denmark	1000	1900	2000	3800
	Australia	1000	1880	-	-

◆ Biological limit values

Biological limit values	No relevant regulations
--------------------------------	-------------------------


◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard) .

◆ Derived No effect level(DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects(local)	Chronic effects (systemic)
ALCOHOL 64-17-5	Inhalation	No data available	No data available	No data available	950 mg/m ³
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
AQUA 7732-18-5	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
CARBOMER 9007-16-3	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
TRIETHANO LAMINE 102-71-6	Inhalation	No data available	No data available	5 mg/m ³	5 mg/m ³
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

Personal protection equipment

General requirement	
Eye protection	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).
Hand protection	Wear protective gloves (such as butyl rubber), passing the tests according to EN 374(EU), US F739 or AS/NZS 2161.1 standard.
Respiratory protection	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and body protection	Wear fire/flame resistant/retardant clothing and antistatic boots.

9 Physical and chemical properties

Physical and chemical properties

Appearance	Gelatinous
Odor	No information available
Odor threshold	No information available
pH	7.0 (20°C, 10g/L, ALCOHOL)
Melting point/freezing point(°C)	-117 (ALCOHOL)
Initial boiling point and boiling range(°C)	79 (ALCOHOL)
Flash point(Closed cup, °C)	22
Evaporation rate	No information available
Flammability	Highly flammable
Upper/lower explosive limits[% (v/v)]	Upper limit: 19 (ALCOHOL); Lower limit: 3.3 (ALCOHOL)
Vapor pressure	5.8kPa (ALCOHOL)
Vapor density(Air = 1)	1.6 (ALCOHOL)
Relative density(Water=1)	0.79 (ALCOHOL)
Solubility(mg/L)	Miscible with water (ALCOHOL)
n-octanol/water partition coefficient	-0.32 (ALCOHOL)
Auto-ignition temperature(°C)	363 (ALCOHOL)
Decomposition temperature(°C)	≥700 (ALCOHOL)
Viscosity(mm ² /s)	No information available
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

10 Stability and reactivity

Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.

Possibility of hazardous reactions	In contact with oxidants causes severe reactions, and may cause a fire or explosion. In contact with active metals (alkali metals, Na, Ca etc.) causes a reaction and release hydrogen.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Oxidants, alkali metals, alkaline earth metals and aluminum. Alkali, sodium, calcium, and other active metal, halogen, metal oxide, nonmetal oxide, acyl halide and metal phosphide.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

Acute toxicity

Component	Cas No.	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
ALCOHOL	64-17-5	7060mg/kg(Rat)	No information available	39mg/L(Mouse)
TRIETHANOLAMINE	102-71-6	5846mg/kg(Mouse)	No information available	No information available
CARBOMER	9007-16-3	4100mg/kg(Rat)	No information available	No information available

Carcinogenicity

ID	Cas No.	Component	IARC	NTP
1	64-17-5	ALCOHOL	Category 1	Not Listed
2	7732-18-5	AQUA	Not Listed	Not Listed
4	9007-16-3	CARBOMER	Not Listed	Not Listed
5	102-71-6	TRIETHANOLAMINE	Category 3	Not Listed

Others

CHLORHEXIDINE DIGLUCONATE DISINFECTANT GEL	
Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Causes serious eye irritation(Category 2)
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

12 Ecological information

Acute aquatic toxicity

Component	Cas No.	Fish	Crustaceans	Algae
-----------	---------	------	-------------	-------

ALCOHOL	64-17-5	LC ₅₀ : 11000mg/L (96h)(Fish)	EC ₅₀ : 9950mg/L (48h)(Crustaceans)	No information available
TRIETHANOLAMINE	102-71-6	LC ₅₀ : 11800mg/L (96h)(Fish)	EC ₅₀ : 610mg/L (48h)(Crustaceans)	No information available

Chronic aquatic toxicity

Chronic aquatic toxicity	No information available
--------------------------	--------------------------

Persistence and degradability

Component	Cas No.	Persistence (water/soil)	Persistence (air)
ALCOHOL	64-17-5	Low(Half-life = 2.17 days)	Low(Half-life = 5.08 days)
AQUA	7732-18-5	Low	Low
CARBOMER	9007-16-3	Low	Low
TRIETHANOLAMINE	102-71-6	Low	Low

Bioaccumulative potential

Component	Cas No.	Bioaccumulative potential	comments
ALCOHOL	64-17-5	Low	Log K _{ow} =-0.31
AQUA	7732-18-5	Low	Log K _{ow} =-1.38
CARBOMER	9007-16-3	Low	Log K _{ow} =0.4415
TRIETHANOLAMINE	102-71-6	Low	BCF=4

Mobility in soil

Component	Cas No.	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
ALCOHOL	64-17-5	High	1
AQUA	7732-18-5	Low	14.3
CARBOMER	9007-16-3	High	1.201
TRIETHANOLAMINE	102-71-6	Low	10

Results of PBT and vPvB assessment

Component	Cas No.	Results of PBT and vPvB assessment (according to (EC) No 2015/830)
ALCOHOL	64-17-5	not PBT/vPvB
AQUA	7732-18-5	not PBT/vPvB
CARBOMER	9007-16-3	not PBT/vPvB
TRIETHANOLAMINE	102-71-6	not PBT/vPvB

13 Disposal considerations


Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

**Disposal
recommendations**

Refer to section 13.1 and 13.2.

14 Transport information**Label and Mark**

Transporting Label	
Marine pollutant	None

IMDG-CODE

UN number	1170
UN proper shipping name	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Transport hazard class	3
Transport subsidiary hazard class	None
Packing group	II
Special provisions	144
Limited quantities	1L
Excepted quantities	E2
Marine pollutant (Yes or no)	No
EmS No.	F-E,S-D

ICAO/IATA-DGR

UN number	1170
UN proper shipping name	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Transport hazard class	3
Transport subsidiary hazard class	None
Packing group	II
Excepted quantities	E2
Passenger and Cargo Aircraft Limited Quantity Packing Instructions	Y341
Passenger and Cargo Aircraft Limited Quantity Maximum net Quantity per Package	1 L
Passenger and Cargo Aircraft Packing Instructions	353
Passenger and Cargo Aircraft Maximum net Quantity per Package	5 L
Cargo Aircraft Packing Instructions	364
Cargo Aircraft Maximum net	60 L

Quantity per Package	
Special provisions	A3, A58, A180
ERG code	3L

UN-ADR

UN number	1170
UN proper shipping name	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Transport hazard class	3
Transport subsidiary hazard class	None
Packing group	II
Special provisions	144 601
Limited quantities	1 L
Excepted quantities	E2
Packing instructions	P001 IBC02 R001
Special packing provisions	-
Mixed packing provisions	MP19
Portable tanks and bulk containers instructions	T4
Portable tanks and bulk containers special provisions	TP1
ADR tank code	LGBF
ADR tank special provisions	-
Vehicle for tank carriage	FL
Transport category(Tunnel restriction code)	2 (D/E)
Special provisions for carriage(Packages)	-
Special provisions for carriage(Bulk)	-
Special provisions for carriage>Loading, unloading and handling)	-
Special provisions for carriage(Operation)	S2 S20
Hazard identification No.	33
Notes	None

15 Regulatory information

International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
ALCOHOL	✓	✓	✓	✓	✓	✓	✓	✓	✓
AQUA	✓	✓	✓	✓	✓	✓	✓	✓	✓
CARBOMER	✗	✗	✗	✓	✓	✓	✗	✗	✗

TRIETHANOLAMINE	√	√	√	√	√	√	√	√	√
-----------------	---	---	---	---	---	---	---	---	---

【EINECS】 European Inventory of Existing Commercial Chemical Substances

【TSCA】 United States Toxic Substances Control Act Inventory

【DSL】 Canadian Domestic Substances List

【IECSC】 China Inventory of Existing Chemical Substances

【NZIoC】 New Zealand Inventory of Chemicals

【PICCS】 Philippines Inventory of Chemicals and Chemical Substances

【KECI】 Existing and Evaluated Chemical Substances

【AICS】 Australia Inventory of Chemical Substances

【ENCS】 Existing And New Chemical Substances

16 Others

Information on revision

Creation Date	2020/03/10
Revision Date	2020/03/10
Reason for revision	-

Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

HAND SANITIZER GEL

ALCOHOL: 75%; AQUA: 24.2%; CARBOMER: 0.4%; TRIETHANOLAMINE: 0.4%

Danger**Highly flammable liquid and vapor****【Prevention】**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground and bond container and receiving equipment.

Use non-sparking tools.

Take action to prevent static discharges.

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

【Response】

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].

【Storage】

Store in a well-ventilated place. Keep cool.

【Storage】

Dispose of contents/container in accordance with local/regional/national/ international regulations.

Please refer to design report of safety data sheet

Supplier: Guangdong Yawei Biological Technology Co., Ltd.

Tel: 0754-85510732

Address: Southeast side of Xiushui Road, Laimei Industrial Zone, Chenghai District,
Shantou, Guangdong

Post code: 515821

Emergency phone number: 0754-89862302