MATERIAL SAFETY DATA SHEET

Version 2020 Revision Date 14.07.2020 Print Date 14.07.2020

1. Identification of the substance/mixture and of the company

1.1 Product identifier

Product name : Non-Alcohol Foam Hand Sanitizer.

Volume of product: 1000ml

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the product : Use for personal skin cleaning.

Uses advised against: Use only as directed.

1.3 Details of the supplier of the maretial safety data sheet

Company	:	Shenzhen Lantern Science Co., Ltd.
Address	:	No.6 Qinglan 2nd Road, Industrial Zone, Pingshan District, Shenzhen, Guangdong Province, China, 518118.
Emergency Tel No.	:	086-755-33269999
Emergency Fax No.	:	086-755-83478982

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (OSHA, IARC or NTP) : Not a hazardous substance or mixture.

Classification (29 CFR 1910.1200) : Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) : Not a hazardous substance or mixture.

Other hazards : None known.

3. Composition/information on ingredients

3.1 Ingredients

INCI NAME	CAS No	Percentage - %
AQUA	7732-18-5	95.37
GLYCERIN	56-81-5	2.00
LAURYL GLUCOSIDE	27836-64-2	2.00
PHENOXYETHANOL	122-99-6	0.40
BENZALKONIUM CHLORIDE	63449-41-2	0.13

DISODIUM EDTA	139-33-3	0.10

***The exact weight (%) of composition has been withheld as a trade secret.**

4. First aid measures

4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : Move to fresh air. If symptoms persist, call a physician.

In case of eye contact : Wash off with plenty of water. Keep eye wide open while rinsing. Remove contact lenses. Protect unharmed eye. If symptoms persist, get medical attention.

If swallowed : Clean mouth with water and drink afterwards plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No specific symptoms known.

5. Firefighting measures

5.1 Suitable extinguishing media

Dry powder, “alcohol resistant” foam, blanketor carbon dioxide; water may be ineffective, but water applied as aspray can absorb some of the fire’s heat and should be used to keep fire-exposed containers cool.

5.2 Unsuitable extinguishing media

CAUTION: use of water spray when fighting fire may be inefficient.

5.3 Specific hazards arising from the chemical

Risk of ignition. Keep product and empty container away from heat and sources of ignition.

In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.4 Explosion data:

Sensitivity to Mechanical Impact: None.

Sensitivity to Static Discharge: Yes.

Fire Fighting Equipment/Instructions: Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self-contained breathing apparatus.

Products of Combustion: Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

NFPA Rating: Health:0 Fire:0 Instability:0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Use personal protective equipment as required. See Section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequateventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate are). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

6.2 Environmental precautions

Try to prevent the material from entering drains or water courses. Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up

Wipe up with absorbent material (e.g. cloth, fleece).

Keep in suitable, closed containers for disposal. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area.

6.4 Reference to other sections

For personal protection see section 8.

For disposal considerations see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	: For personal protection see section 8.
Advice on protection against fire and explosion	: Product will burn under fire conditions.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	: Protect from humidity. Keep container tightly closed and dry. Keep away from heat, sparks, flame and other sources of ignition.
Advice on common storage	: No special restrictions on storage with other products.
Storage temperature	: Under normal temperature.

7.3 Specific end use(s)

Specific end use(s)	: Not applicable

8. Exposure controls/personal protection

8.1 Control Parameters

Exposure Guidelines: There is no exposure data pertaining to the Product. This section reflects exposure data pertaining to individual ingredients.

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

8.2 Appropriate Engineering Controls

Engineering Measures: showers, eyewash stations, ventilation systems

8.3 Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Tight sealing safety goggles.

Skin and Body Protection: Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistantapron. Impervious gloves. Antistatic boots.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approvedrespiratory protection should be worn. Positive-pressure supplied air respirators may berequired for high airborne contaminant concentrations. Respiratory protection must beprovided in accordance with current local regulations.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink orsmoke when using this product. Contaminated work clothing should not be allowed out ofthe workplace. Regular cleaning of equipment, work area and clothing is recommended.

Wash hands before breaks and immediately after handling the product.

8.4 Personal Protective Equipment (PPE)

Eye/Face Protection: None needed under normal use.

Skin Protection: None needed under normal use.

Respiratory Protection: None needed under normal use.

General Hygiene Considerations: None needed under normal use.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	Liquid.
Colour	:	Colourless.

Odour	:	Characteristic odor.
Odour Threshold	:	No information available.
pH	:	6.0 ~ 7.5 .(at 25°C, 10% water solution).
Freezing point	:	＜-10 °C .(at 1030 hPa; OECD Test Guideline 102).
Boiling point/boiling range	:	110~125 °C .(at 1030 hPa; OECD Test Guideline 103).
Flash point	:	No information available.
Evaporation rate	:	Not determined.
Lower explosion limit	:	Not determined.
Upper explosion limit	:	Not determined.
Vapour pressure	:	No information available.
Relative vapour density	:	No information available.
Density	:	1.00-1.01 g/cm^3 . (at 25 °C).
Water solubility	:	Easily soluble .(22 °C; OECD Test Guideline 105).
Solubility in other solvents :		
Methanol	:	Easily soluble.
Ethanol	:	Easily soluble.
Diethylether	:	Slightly soluble.
Oils and fats	:	Insoluble.
Auto-ignition temperature	:	Not available.
Ignition temperature	:	> 410 °C .(at 1030 hPa, Tested according to Directive 92/69/EEC.).
Thermal decomposition		
Viscosity, dynamic(3#12r/min)	:	Not available.
Explosive properties	:	Not available.
Oxidizing properties	:	Not available.

9.2 Other information

No other information.

10. Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Possible incompatibility with materials listed under section 10.5.

10.4 Conditions to avoid

Heat and straight sunlight.

10.5 Incompatible materials

Strong acids and strong bases.

Strong oxidizing agents.

10.6 Hazardous decomposition products

No decomposition if used as directed.

11. Toxicological information

*There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.

11.1 Information on likely routes of exposure

Inhalation : Specific test data for the substance or mixture is not available.

Eye contact : Specific test data for the substance or mixture is not available.

Skin contact : Specific test data for the substance or mixture is not available.

Ingestion : Specific test data for the substance or mixture is not available.

11.2 Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Glycerin 56-81-5	27,200 mg/kg (Rat)	> 56,750 mg/kg(Guinea pigs)	> 2.75 mg/kg (4 h)(Rat)
DISODIUM EDTA 139-33-3	2 800 mg/kg(Rat)	/	≈30 mg/m^3(Rat)
PHENOXYETHANOL 122-99-6	2 740 mg/kg(Rat)	14 391 mg/kg (Rat)	> 1 000 mg/m^3(Rat)

11.3 Information on toxicological effects

Symptoms :No information available.

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

Sensitization : No information available.

Mutagenic Effects : No information available.

Carcinogenicity : The table below indicates whether each agency has listed any ingredient as a carcinogen.Ethanol has been shown to be carcinogenic in long-term studies ONLY when consumed asalcoholic beverage.

ACGIH (American Conference of Governmental Industrial Hygienists) : A3 – Animal Carcinogen

IARC (International Agency for Research on Cancer):

Group 1 - Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans
NTP (National Toxicology Program) : Known - Known Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor) : X - Present
Reproductive toxicity : No information available.
STOT - single exposure : No information available.
STOT - repeated exposure : No information available.
Chronic Toxicity : No known effect based on information supplied.
Target Organ Effects : None known.
Aspiration Hazard : No information available.

12. Ecological information

*There is no ecological data on the product. The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

12.1 Ecotoxicity : Not toxic to aquatic organisms.

12.2 Persistence and degradability : No information available.

12.3 Bioaccumulation : No information available.

12.4 Other adverse effects : No information available.

13. Disposal considerations

13.1 Disposal Methods

Consult federal, state and local regulations, and dispose in compliance with these regulations.

EPA Hazardous Waste: Liquid waste is classified as an ignitable waste. Spill residues, including absorbent used to absorb spills may be hazardous waste. Consult with a reliable hazardous waste disposal firm or with local and state authorities.

13.2 Contaminated Packaging: Dispose of contents/containers in accordance with legal reglations.

13.3 US EPA Waste Number: No information available

13.4 California Hazardous Waste Codes: No information available

This product contains no substances that are listed within the State of California as a hazardous waste.

14. Transport information

14.1 UN number

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods

14.2 Proper shipping name

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods

14.3 Transport hazard class

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods

14.4 Packing group

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods

14.5 Environmental hazards

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

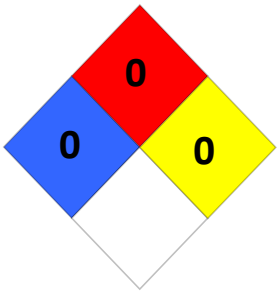
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : Not applicable

15. Regulatory information

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

NFPA Classification : Health hazard : 0
Fire Hazard : 0
Reactivity Hazard : 0



15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

15.3 International Inventories

TSCA Complies
DSL All components are listed either on the DSL or NDSL.

IECSC -
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
US Federal Regulations
SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any
chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372
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 40CFR 122.42)
CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the ComprehensiveEnvironmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments andReauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state levelpertaining to releases of this material.

16. Other information

16.1 General Disclaimer

The data contained within this MSDS is believed to be accurate and is given in good faith. No warranty, expressed or implied is made. Nothing within this document constitutes medical advice. Since use conditions vary unforeseeably, an industrial health and safety professional should evaluate specific industrial use conditions.

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