Material Safety Data Sheet

Samples Name: Hand Sanitiser gel
Model: / 
Brand name: / 

Client Name: GUANGZHOU SLUJ SPECIAL CHEMICAL CO., LTD.
Address: NO 8, FUXING, EAST SIDE OF CORPORATION MID-ROAD, QIXINGGANG, LUOGANG VILLA GE, JUNHE STREET, BAIYUN DISTRICT, GUANGZHOU CITY, GUANGDONG PROVINCE
Post Code: 510440

Reviewed by: [Signature]
Lab Senior Engineer

Authorized Signature: [Signature]
Technology Manager

In no circumstances shall the Company’s responsibility extend beyond inspection, testing and reporting upon the samples actually drawn from the bulk and inspected, tested and surveyed by the Company and any inference to be drawn from the results of such inspection or survey or testing shall be entirely at the discretion and at the sole and exclusive responsibility of the Principal. This test report cannot be reproduced except in full.
Section 1 - Chemical Product and Company Identification

Product Name: Hand Sanitiser gel
Manufacture: GUANGZHOU SLUJ SPECIAL CHEMICAL CO., LTD.
Address: NO 8, FUXING, EAST SIDE OF CORPORATION MID-ROAD, QIXINGGANG, LUOGANG VILLA GE, JUNHE STREET, BAIYUN DISTRICT, GUANGZHOU CITY, GUANGDONG PROVINCE
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Section 2 - Hazards Identification

Fatalness grade: FLAMMABLE LIQUID IN CLASS 3.2
GHS labelling elements

Signal words danger
Hazard statement H225 highly flammable liquids and vapors
Invasion route: Percutaneous absorption by inhalation
Health hazards: This product is a central nervous system inhibitor, first causing excitement and subsequently inhibition. Acute poisoning: acute poisoning occurs mostly in oral administration. Generally can be divided into excitement, hypnosis, anesthesia, asphyxia four stages. The patient entered the third or fourth stage with loss of consciousness, dilated pupils, irregular breathing, shock, heart failure and respiratory arrest. Chronic effects: in the production of long-term exposure to high concentration of this product can cause nasal, eye, mucosal irritation symptoms, as well as headache, dizziness, fatigue, agitation, tremor, nausea and so on. Long-term sprinkling can cause polyneuropathy, chronic gastritis, fatty liver, cirrhosis, myocardial damage and organic psychosis. Long-term skin contact can cause dryness, detritus, chapped and dermatitis
Environment hazards: The substance may be harmful to the environment and special attention should be paid to water bodies
Burn & burst danger: This product is flammable and irritating
Section 3 –Composition/Information on Ingredient

Pure Admixture

Composition:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>The molecular formula</th>
<th>Molecular weight</th>
<th>Composition (in% by weight)</th>
<th>CAS No.</th>
<th>EC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>C2H6O</td>
<td>46</td>
<td>70-75</td>
<td>64-17-5</td>
<td>200-578-6</td>
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<tr>
<td>Carbomer</td>
<td>C3H4O2</td>
<td>72</td>
<td>0.3</td>
<td>9007-20-9</td>
<td>--</td>
</tr>
<tr>
<td>Glycerin</td>
<td>C3H8O3</td>
<td>92.09</td>
<td>0.5</td>
<td>56-81-5</td>
<td>200-289-5</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>C6H15NO3</td>
<td>149</td>
<td>0.3</td>
<td>102-71-6</td>
<td>203-049-8</td>
</tr>
<tr>
<td>Water</td>
<td>H2O</td>
<td>18</td>
<td>28.9</td>
<td>7732-18-5</td>
<td>231-791-2</td>
</tr>
</tbody>
</table>

Section 4 - First Aid Measures

Skin touch: Remove contaminated clothes and rinse the skin with plenty of water.

Eyes touch: Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water. Get medical aid.

Inhalation: Get out of the scene quickly to fresh air. Medical treatment.

Ingestion: If swallowed, it thoroughly with water gargle, timely medical treatment.

Section 5 - Fire Fighting Measures

Characteristic: Flammable, its vapor and air can form an explosive mixture, open fire, high thermal energy caused by combustion explosion. chemical reaction or cause combustion in contact with oxidant. In the fire, heated containers are at risk of explosion. The vapor is heavier than air and can spread far below the point where the source of fire will ignite and rekindle.

Hazardous combustion products: Carbon monoxide, carbon dioxide

Fire-Fighting method & media: Remove containers from the fire to the open as far as possible. Spray water to keep the fire vessel cool until the fire is over. Fire extinguishers: Anti-soluble foam, dry powder, carbon dioxide, sand.
Section 6 – Accidental Release Measures

**Emergency treatment:** Rapid evacuation of personnel from the contaminated areas to the safe areas and isolation, strict access restrictions. Cut off the fire. It is recommended that emergency workers wear self-contained positive pressure respirator and anti-static work clothes. Cut the leak source as much as possible. Prevent from flowing into sewers, drains and other restricted spaces. Small leakage: adsorption or absorption with sand or other noncombustible materials. Can also be washed with a large amount of water, wash water diluted into the wastewater system. Massive leakage: construction of a berm or pit for shelter. Covered with foam to reduce the vapor disaster. Transfer to tank truck or special collector with explosion-proof pump for recovery or transport to waste disposal site for disposal.

Section 7 - Handling and Storage

**Handling:** Airtight operation, full ventilation. Operators must be specially trained and strictly follow the operating procedures. It is recommended that operators wear filter gas mask (half mask) and antistatic work clothes. Keep away from fire, heat source, no smoking in the workplace. Use explosion-proof ventilation systems and equipment. Prevent vapor from leaking into workplace air. Avoid contact with oxidants, acids, alkali metals, amines. The flow rate should be controlled when filling, and there is a grounding device to prevent electrostatic accumulation. Equipped with corresponding varieties and quantities of fire fighting equipment and leakage emergency handling equipment. Empty containers may contain harmful residues.

**Storage:** Store in a cool, ventilated warehouse. Away from fire, heat source. Library temperature should not exceed 30℃. Keep container sealed. Should be stored separately with oxidants, acids, alkali metals, amines, etc. Avoid mixed storage. Use explosion-proof lighting, ventilation facilities. The use of spark-prone machinery and tools is prohibited. The storage area shall be equipped with emergency leak handling equipment and suitable shelter materials.

Section 8 - Exposure Controls, Personal Protection

**Maximum admissible concentration:**
America TWA: OSHA 1000PPm, 1880mg/m3; ACGIH 1000ppm, 1880mg/m3
TLVTN: OSHA 1000ppm, 1880mg/m3; ACGIH 1000ppm, 1880mg/m3

**Monitoring Method:** / 

**Engineering Control:** The production process is airtight and fully ventilated. Provide safe shower and eye washing equipment.

**Respiratory Protection:** Generally do not need special protection.
Section 9 - Physical and Chemical Properties

**Appearance:** Transparent gel
**Color:** Colorless transparent
**Odor:** Alcohol flavor
**Density:** /
**Boiling Point:** No data.
**Melting Point:** 30-40°C
**Flashpoint:** No data.
**Vapour pressure:** No data.
**Solubility in water:** Soluble in water
**Partition coefficient (n-octanol / water):** No data.
**Viscosity:** Not applicable
**PH Value:** 6.5-7.5
**Permission of solvent inhalation:** No data.
**Solubility:** Soluble in water
**Ignition temperature:** /

Section 10 - Stability and Reactivity

**Stability:** Stability at room temperature
**Distribution of Ban:** Strong oxidants, acids, anhydride, alkali metals, amines
**Conditions to Avoid:** Fire and heat.
**Hazardous Polymerization:** Without
**Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information
Acute Toxicity: LD50: 7060mg/kg (rabbit oral); 7430 mg/kg (rabbit percutaneous)
LC50: 37620mg/m3, 10 hours (rats inhaled)
Sub-acute and Chronic Toxicity: No data.
Irritation: Skin irritation is different from person to person, there is a big gap
Sensitization: No data.
Mutagenicity: No data.
Carcinogenicity: No data.
Others: /

Section 12 - Ecological Information
Eco-toxicity: No known significant effects or critical hazards.
Biodegradable: No applicable.
Non-biodegradable: No applicable.
Bioconcentration or biological accumulation: No applicable.
Other harmful effects: No known significant effects or critical hazards.

Section 13 - Disposal Considerations
Nature of waste: /
Waste disposal methods: Refer to relevant national and local regulations before disposal. Recommended disposal by incineration
Attention abandoned: Away from water

Section 14 - Transport Information
Number of dangerous goods: 32061
UN Number: 1170.
Packaging Mark: Flammable liquid
Packaging Method: No data.
Transport Attentions: Examine whether the package of the containers are integrate and tighten closed before transport. No divulgence, no collapse, no precipitation or no damage during the course of transportation. Don’t put the goods together with oxidizer, acid and so on. The transport vehicle and ship must be cleaned and sterilized otherwise it is not allowed to assemble articles. During transport, the vehicle should prevent exposure, rain and high temperature. For stopovers, the vehicle should be away from fire and heat sources. Don’t use device and tools which can easily produce spark for loading. When transported by sea, the assemble place should keep away from bedroom and kitchen, and isolated from the engine room, power and
fire source. Under the condition of Road Transportation, the driver should drive in accordance with regulated route, don’t stop over in the residential area and congested area. No slipping up in rail road.

Section 15 - Regulatory Information

Regulatory Information:
ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.
The International Maritime Dangerous Goods (IMDG) Code.

Section 16 - Additional Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.
Note:
- Photo is included

Photograph of Sample

HLF20003558E

*****End of MSDS*****