

Version 1  
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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade name	MONSA® SLES-70(1EO)
Company Identification	Guangzhou Monsa Chemical Co., Ltd
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### 2. Hazards

**GHS Hazard Classification:** Non-hazardous

**Invasion:** Inhalation, ingestion, percutaneous absorption.

**Health hazard:**

May cause some irritation to the mouth and upper digestive tract May cause significant skin irritation especially if exposure is prolonged and/or repeated May cause eye significant irritation

**Environment hazards:** Products and their subsequent improve the products do no harm to the environment. It is recommended to comply with relevant regulations and avoid polluting environment when using the products.

**Combustion Hazard :** Combustible; flashing point >120 °C ; non-inflammable and explosive materials.

**Warning statement:** Warning.

**GHS label elements Pictograms:** N/A

**Symptoms / effects :** Skin contact is almost non-irritating and non-corrosiveness to skin. Ingestion will irritate digestive tract. **Emergency measures :** Wear protective equipment when operating, In case of contact, immediately wash skin with plenty of water; if ingesting, get medical attention if irritation persists.

### 3. Composition and Ingredients information

Ingredients	CAS NO.	Content
Sodium Laureth Sulfate	68891-38-3	70%
Water content	7732-18-5	30%

### 4. First Aid Measurement

**First Aid:**

**Skin Contact:** Causes irritation . In case of contact, immediately remove contaminated clothing, and wash with plenty of water. Get medical attention if irritation persists. Clean contaminated clothing and shoes before reuse.

**Eye Contact:** Flush eyes with water immediately while holding the eyelids open. Remove contact lenses, if worn, after initial flushing, and continue flushing for at least for 15 minutes. Get medical attention if irritation persists.

**Inhalation:** the product is water- soluble mushy non-volatile substance. In case of inhalation, move the victim to fresh air. If not breathing, give victim artificial respiration. If breathing is difficult, give the victim oxygen. Get medical attention if breathing difficulties continued.

**Ingestion:** Oral toxicity is low. If ingesting, get medical attention. **Note to Physician:** The product is high sudsing anionic surfactant. If gastric lavage is necessary, use silicone defoamer (Dimethicone).

**Acute and late effect and main symptoms:** Skin contact may cause irritation. In case of irritation, wash skin with plenty of water. If irritation persists, get medical treatment.

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## 5. Fire Fighting Measurement

**Hazardous Characteristics :** The product is Water-soluble paste and non-flammable. Its Decomposition produces toxic fumes- SO<sub>x</sub>. **Extinguishing Media:** Spray water, carbon dioxide, foam, dry powder and sands.

**Fire fighting cautions and measurement:** If fire breaks out, firefighters must wear filter respirators/isolated respirators, body fire suits, and put out the fire upwind. Move the containers to open air. Spray water to keep the container cool until the fire is put out. Promptly cut off gas source, and then choose suitable extinguishing agents according to fire causes. Prevent burns in extinguishing.

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## 6. Accidental Release Measures

**Protective measurement, protective equipment and accidental handling procedure for operating personnel:** Use soil/sands to enclose the leakage materials, and gather the spilled materials into appropriate containers. If necessary, use inert materials to absorb the leakage. Dispose the materials complying with local regulations. In case of materials leak into sewage pipelines, inform local government officials. Advice handlers wear suitable protective clothing, rubber gloves, rubber boots and masks. Prohibit contacting/crossing leaked materials.

**Environmental protection measurement:** Avoid materials leakage diffusing and flowing into drains and water.

**Disposal of leaked chemical material and cleanup methods, disposal materials:** Transfer the leaked materials with tools into plastic drums/tank/exclusive collectors; reclaim/carry the materials to waste handling site for disposal. In case of polluting floor, wash with plenty of water which should be collected into wastewater system.

**Precautions for avoiding secondary hazards:** Avoid directly contact/inhalation/ingestion.

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## 7. Handling and Storage

**Operation notes:** Wear rubber/PVC gloves and masks; avoid contacting material directly. Heating temperature can not be higher than 45°C. **Storage notes:** Recommended temperature: 20°C-40°C. It is appropriate to use stainless steel/ reinforced glass fiber polyester resin for storage, while mild steel/aluminous containers are inappropriate. Avoid microbial contamination during sampling and using, which should be carried out under sterile conditions.

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## 8. Exposure Controls/Personal Protection

**Occupational exposure limits:** No founded TLV standard

**PC-TWA (mg/m<sup>3</sup>) :** No founded standard

**MAC(mg/m<sup>3</sup>):** No founded standard

**Biological limits:** No data

**Engineering control:** Well ventilated. Try to be as Mechanized and automatic as possible. Provide shower and eye-washing equipments. **Respiratory Protection:** The product is non-volatile matter. In case of being in the place with a small amount

of AES-70 's vapor, wearing respirator/ filtering respirator is recommended.

**Eye protection:** Wear protective masks/ chemical splash glasses.

**Body protection:** Wear protection apron.

**Hand protection:** Wear Acid and alkali resistant rubber gloves.

**Other protection:** No smoking and eating on job site. Take a shower and change clothes after work. Keep a good health habit.

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## 9. Physical and Chemical Properties

**Appearance:** White, colorless or slightly yellow pourable gel

**Odor:** Characteristic

**Solubleness (20°C) :**

**In water:** Soluble

**In ethyl alcohol:** Soluble

**In acetone:** Disperse

**In fatty hydrocarbon:** Insoluble

**Relative density (20°C) :** About 1.070g/cm<sup>3</sup>

**Viscosity (20°C) :** About 20000mpa.s

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**Set point:** 7-10°C

**Melting range:** 10-15°C

**Boiling point (100kPa) :** About 110°C

**Vapor pressure (20°C) :** Basically in accordance with water value.

**Vapor density (air is 1) :** Basically in accordance with water value  
**Flash point (PMcc) :** > 120°C

**Auto-ignition temperature:** No data

**Decomposition temperature:** No data

**pH (1% water solution) :** 6.5-9.5

**Explosibility:** N/A

**Oxidability:** N/A

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## 10. Stability and Reactivity

**Hazardous reaction may happen in stable and specified conditions:** Stable when stored in airtight original container in room temperature. Stable in normal flitting, using and transporting. If the pH fails an exothermic reaction may occur releasing sulphuric acid, may react with strong oxidants.

**Conditions to avoid:** Avoid contacting excessive heat 50°C, open flame and spark.

**Hazardous Decomposition Products :** Water, sulfur oxide, carbon monoxide and carbon dioxide.

**Intended use and foreseeable misuse:** With excellent detergency, emulsification, foamability and hard water resistance, it is widely used in washing cosmetics:

shampoo, bath foam, dish washing detergent and compound soap, etc. It is applied in textile industry wetting agent, cleaner, etc. It can be converted into other substances by chemical reactions.

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## 11. Toxicological Information

**Acute toxicity:** Acute oral toxicity LD50 > 2000mg/Kg.

**Skin irritation/corrosion:** Causes strong irritation and corrosion to skin and mucosa. Skin contact may cause epidermal necrosis.

**Eye irritation /corrosion:** May cause strong irritation and corrosion to

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eyes.

**Respiratory/skin allergy:** May cause allergic contact dermatitis to skin with mild irritation. Single experiment (rabbit, 4 hours).

**Germ cell mutagenicity:** No data.

**Carcinogenicity:** No data.

**Reproduction toxicity:** No data.

**Specific target organ systemic toxicity - single exposure:** No data. **Specific target organ systemic toxicity - repeated exposure:** No data. **Inhalation hazard:** It is inhalable in aerosol state, causing respiratory discomfort.

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## 12. Ecological Information

**Ecological toxicity:** LC50: No data; EC50>1+10mg/l.

It is toxic to animals; pollutive to soil and atmosphere; organisms in water or soil, bees, shellfishes, mollusks and birds should be given particular attention. It is toxic to soil organism. Plants and aquatic organisms should be given particular attention. Specially pay attention to the pollution of surface water, soil, atmosphere and drinking water. **Persistence and degradability:** It is biodegradable in the environment.

**Potential bioaccumulation:** It can not be easily absorbed by sediment. **Mobility in soil:** Migration does not happen easily.

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## 13. Disposal Considerations

**Disposal measurement:** Collect with plastic drums, or absorb with sands; send to professional solid waste disposal unit for disposal.

**Disposal notes:** Waste water should be taken innocent treatment before being discharged into sewer or water, complying with local disposal regulations.

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## 14. Transport information

**UN number:** Non-hazardous chemical substance

**UN shipping name:** N/A

**UN hazard classification:** N/A

**Packing category:** N/A

**Packing mark:** Per enterprise logo



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**Packing methods:** Plastic drums, 304/306 material tanker.

**Marine pollutant (Yes/No):** Yes

**Transport notes:** Use non-hazard classification method. Keep the product upright; cover mouth upwards with covering for rain/sun/moisture proof.

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## 15. Regulatory Information

**Regulatory information:** The following laws, regulations and standards for the safe use, storage, transport, handling, sorting and signs of chemicals have corresponding provisions:

*Production Safety Law of the PRC* (Passed on June 29, 2002, by the Ninth NPC Standing Committee at the 28th Meeting)

*Occupational Disease Prevention Law of the PRC* (passed on October 27, 2001, by the Ninth NPC Standing Committee at the 24th meeting)

*Environmental Protection Law of the PRC* (passed on December 26, 1989, by the Seventh National People's Congress at the 11th meeting)

*Safety Production Permit Regulations* ( passed on January 7, 2004, by the State Council at the 34<sup>th</sup> executive meeting)

*Hazardous chemicals Management Regulations* (January 26, 2002, the State Council issued)

*Workplace safety use of chemicals Regulation* ([1996] No. 423 Ministry of Labor)

*Classification and Labeling of Common Hazardous Chemicals* ( GB 13690-92)

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## 16. Other Information

**References:** *Safety Production Permit Regulations*; *Hazardous chemicals Management Regulations*; *Workplace safety use of chemicals Regulation*; *Traffic Safety Rules*;

**Amendment Instruction:** According to the standards of Content and order of Material Safety Data Sheet (GB/T16483-2008), amend the previous MSDS.

**Other instruction:** The above data is proposed according to current recognition; it aims to regular the product from the health, environment and safety aspects, but is not a technical material for the product.

**Abbreviation:**

**MAC:** Refers to the concentration that toxic chemical substances should not exceed at work place, at any time within a working day.

**PC-STEL:** Refers to the concentration permitted to expose in a short time (15min) under the premise of complying with PC-TWA.

