

# Material Safety Data Sheet

## According to Regulation (EC) 1272/2008

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

**Product identifier**

**Trade Name:** SODIUM LAURYL ETHER SULFATE

**CAS Number:** 68891-38-3

**EC Number:** 500-234-8

**Use of the substance/preparation**

Ingredient in Personal and Home Care products

**Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:** Dongguan Baoxu Chemical Technology.,ltd.  
P:+86-0769-22821082 Fax:0769-22821083  
Email:info@additivesforpolymer.com  
8th Chenwu East Road, Houjie Town, Dongguan City,  
Guangdong Province, China

**Emergency Telephone Number:** +86/769 22821082

### 2. Hazards Identification

| Classification of the substance or mixture | SCL and/or M-factor                              | Classification procedure |
|--|--|--------------------------|
| Acute Tox. 4, H302                         | $C \geq 0.55 \%$                                 | On basis of test data    |
| Acute Tox. 2, H315                         | $C \geq LD_{50}$<br>( $LD_{50}$ :1700~5000mg/kg) | On basis of test data    |
| Serious Eye Damage. 2B, H320               | $C \geq 1 \%$                                    | On basis of test data    |
| Aquatic Acute 2, H402                      | Not available                                    | On basis of test data    |
| Aquatic Chronic 3, H412                    | Not available                                    | On basis of test data    |

**OSHA defined hazards** Not classified.

**Label elements**

Hazard label for supply/use required.



# Material Safety Data Sheet

## According to Regulation (EC) 1272/2008

|  |  |
|--|--|
| <b>Signal word:</b>                              | Warning  |
| <b>Hazard statements</b>                         | H302: Harmful if swallowed. H315: Causes skin irritation. H320: Causes eye irritation. H412: Harmful to aquatic life with long lasting effects.<br>P260: Do not breathe mist or vapor. P264: Wash thoroughly after handling.<br>P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection. |
| <b>Precautionary statements</b>                  | P302+P350: If on skin: Wash with plenty of water.<br>P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337+P313: If exposed or concerned: Get medical advice/attention.<br>P362+P364: Take off contaminated clothing and wash before reuse.           |
| <b>Response</b>                                  | H302: Harmful if swallowed. H315: Causes skin irritation. H320: Causes eye irritation. H412: Harmful to aquatic life with long lasting effects.  |
| <b>Storage</b>                                   | Stored in a cool ventilated dry place  |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.  |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.  |
| <b>Supplemental information</b>                  | None.  |
| <b>Other hazards</b>                             | No risks worthy of mention.  |

### 3. Composition/ Information on Ingredients

| Name                   | CAS-No.    | EC No.    | Percent [%] | Classification according Regulation (EC) No. 1272 [CLP]  |
|------------------------|------------|-----------|-------------|--|
| SODIUM LAURETH SULFATE | 68891-38-3 | 500-234-8 | 70          | Acute Tox. 4, H302<br>Acute Tox. 2, H315<br>Serious Eye Damage. 2B, H320<br>Aquatic Acute 2, H402<br>Aquatic Chronic 3, H412 |
| WATER                  | 7732-18-5  | 231-791-2 | 30          | Non-toxic  |

#### Mixtures

### 4. First Aid Measures

|                             |   |
|-----------------------------|---|
| <b>General information:</b> | Take off immediately all contaminated clothing. |
|-----------------------------|---|

# Material Safety Data Sheet

## According to Regulation (EC) 1272/2008

|                              |   |
|------------------------------|---|
| <b>In case of inhalation</b> | Move victim to fresh air. Consult physician.  |
| <b>After skin contact:</b>   | Immediately flush with plenty of water. Remove contaminated clothing and wash clothing separately before reuse. If irritation persists get medical attention. |
| <b>After eye contact:</b>    | Immediately flush eyes with running water for at least 15 minutes. Get medical attention.   |
| <b>After swallowing</b>      | If the material is swallowed, get immediate medical attention or advice--<br>Do not induce vomiting   |

### 5. Firefighting Measures

|   |  |
|---|--|
| <b>Extinguishing media</b>  |  |
| <b>Suitable extinguishing media:</b>                                  | Water fog. Foam. Dry chemical powder. CO <sub>2</sub> .  |
| <b>Extinguishing media which must not be used for safety reasons:</b> | High power water jet   |
| <b>Special hazards arising from the substance or mixture</b>          | In case of fire may be liberated: sulphur dioxide, carbon monoxide and carbon monoxide and carbon dioxide. |
| <b>Advice for firefighters</b>  | Special protective equipment for firefighters: Wear self-contained breathing apparatus.                    |

### 6. Accidental Release Measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Provide adequate ventilation.<br>Wear protective equipment.   |
| <b>Environmental precaution</b>  | Do not allow to penetrate into soil, water bodies or drains.  |
| <b>Methods for containment</b>   | Prevent entry into waterways, sewers, basements or confined areas.<br>Wear appropriate protective equipment and clothing during clean-up.<br>Eliminate ignition sources including sources including sources of electrical, static or frictional sparks. |
| <b>Methods for cleaning up</b>   | Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.<br>Large Spills: Dike far ahead of liquid spill for later disposal.                                  |
| <b>Reference to other sections</b>   | Refer additionally to chapter 8 and 13.   |

### 7. Handling and Storage

|                                      |   |
|--------------------------------------|---|
| <b>Precautions for safe handling</b> | Advices on safe handling: Open and handle container with care.<br>Precautions against fire and explosion: Take care of general rules for industrial preventive fire protection. |
|--------------------------------------|---|

# Material Safety Data Sheet

## According to Regulation (EC) 1272/2008

|   |   |
|---|---|
| <b>Conditions for safe storage, including any incompatibilities</b> | Requirements for storeroom and containers:<br>Protect from frost. In case the product becomes cloudy, thicker or frozen by cooling, defrost it at room temperature and stir it.<br>Hints on joint storage: No information is available. |
|---|---|

### 8. Exposure Controls/ Personal Protection

|                               |   |
|-------------------------------|---|
| <b>Engineering controls</b>   | Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.                                |
| <b>Personal protection</b>    |   |
| <b>General</b>                | Eye wash fountain and emergency shower are recommended  |
| <b>Eye/face protection</b>    | Wear chemical goggles. Face-shield.   |
| <b>Skin protection</b>        | Wear suitable protective clothing. Use impervious gloves.   |
| <b>Respiratory protection</b> | If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate respiratory protection must be provided. |

### 9. Physical & Chemical Properties

|                          |  |
|--------------------------|--|
| <b>Appearance</b>        | White to Yellowish Paste   |
| <b>Odour</b>             | Characteristic odour   |
| <b>Molecular Formula</b> | $\text{RO}(\text{CH}_2\text{CH}_2\text{O})_n\text{-SO}_3\text{Na}$ $\text{R}=\text{C}_{12}\sim 14$ , $n=2$ |
| <b>Molecular Weight</b>  | Ca.384   |
| <b>pH(25°C)</b>          | > 7.0 (25°C) (1% Aqueous Solution)   |
| <b>Freezing point</b>    | 8-12 °C  |
| <b>Relative density</b>  | 1.03g/mL (water=1g/mL)   |
| <b>Boiling point</b>     | >100°C   |
| <b>Flash point</b>       | >93°C  |
| <b>Vapor density</b>     | Not available  |
| <b>Solubility</b>        | Easily soluble in water @ 25°C   |
| <b>Main application</b>  | Used in shampoo, detergent, soap etc.  |

### 10. Stability & Reactivity

|                                      |  |
|--------------------------------------|--|
| <b>Chemical stability</b>            | Stable at normal conditions  |
| <b>Incompatible materials</b>        | Strong acids and oxidizing agents  |
| <b>Conditions to avoid</b>           | High temperature(> 50°C), acidic(pH<5)   |
| <b>Possibility of Polymerization</b> | Will not occur   |
| <b>Decomposition products</b>        | Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur. Carbon oxides (COx). |

### 11. Toxicological Information

# Material Safety Data Sheet

## According to Regulation (EC) 1272/2008

|                                       |   |
|---------------------------------------|---|
| <b>Acute Oral</b>                     | Acute oral toxicity (LD50): 1700~5000 mg/kg [Rat.]<br>Acute toxicity of the dust (LC50): 1.5~1.8mg/L [Pimephales promelas.] |
| <b>Sub-acute and Chronic Toxicity</b> | Not list as toxicity according to the test of rat.  |
| <b>Irritation</b>                     | Moderately irritating to eyes, slight or no irritation to skin.   |
| <b>Carcinogenicity</b>                | Not considered to be a carcinogen according the animal tests.   |
| <b>Teratogenicity</b>                 | Not available   |
| <b>Mutagenicity</b>                   | Testing has shown this product to be non-mutagenic when make the rats expose in 100mg/ml products for 24h.                  |

## 12. Ecological Information

|  |   |
|--|---|
| <b>Eco-toxicity:</b>                   | Harmful to aquatic, may cause long-term adverse effect in the aquatic environment.<br>Algae toxicity:<br>EC50 Desmodesmus subspicatus (green algae): 27mg/L/72h (OECD 201).<br>NOEC Desmodesmus subspicatus (green algae): 0.93 mg/L/72h (OECD 201).<br>Daphnia toxicity:<br>EC50 Daphnia magna (Big water flea): 7.2mg/L/48h (OECD 202).<br>NOEC Daphnia magna (Big water flea): 0.27mg/L/21d (OECD 211).<br>Fish toxicity:<br>LC50 Brachydanio rerio (zebra-fish): 7.1 mg/L/96h (OECD 203).<br>NOEC Oncorhynchus mykiss: 0.1 mg/L/28d (OECD 204). |
| <b>Persistence/<br/>Degradability:</b> | This product is readily biodegradable.  |
| <b>Mobility:</b>                       | The product will dissolve in water.   |

## 13. Disposal Considerations

|                              |  |
|------------------------------|--|
| <b>Disposal instructions</b> | All wastes must be handled in accordance with local and national regulations.<br>Burning method was suggested. Sulfur oxides from incinerators were removed by scrubber. Avoid contact with eyes and skin. Do not mix with other wastes. |
|------------------------------|--|

## 14. Transport Information

|   |                      |                |
|---|----------------------|----------------|
| According to ADN/ADR/RID/IMDG/IATA not classified as dangerous goods.<br>This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information. |                      |                |
| <b>UN number</b>  | Not applicable       |                |
| <b>UN proper shipping name</b>  | ADR/RID, IMDG, IATA: | Not restricted |

# Material Safety Data Sheet

## According to Regulation (EC) 1272/2008

|   |  |
|---|--|
| <b>Transport hazard class(es)</b>   | Not available                                  |
| <b>Packing group</b>  | Not available                                  |
| <b>Environment hazards</b>  | No marine pollutant                            |
| <b>Special precautions for user</b>   | See sections 6 to 8 of this Safety Data Sheet. |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC-Code</b> | No transport as bulk according IBC-Code        |

### 15. Regulatory Information

|   |  |
|---|--|
| <b>Environmental Protection Law of The People's Republic of China</b>           |  |
| <b>Regulations on the Safety Administration of Dangerous Chemicals</b>          | The State Council issued, Jan.26,2002                          |
| <b>Implementing Regulations on Safety Management of Hazardous Chemicals</b>     | NO.677, Department of Labor and Chemical Industry issued, 1992 |
| <b>Workplace Provision on Safety Use of Chemicals</b>                           | NO.423, Department of Labor issued, 1996                       |
| <b>Classification and Labels of Dangerous Chemical Substances Commonly used</b> | GB 13690-2009  |
| <b>Rule for Storage of Chemical Dangers</b>                                     | GB15603-1995   |
| <b>Packing Symbol of Dangerous Goods</b>  | GB 190-2009  |
| <b>General Specifications for Transport Packages of Dangerous Goods</b>         | GB 12463-2009  |

### 16. Other Information

|                            |                |
|----------------------------|----------------|
| <b>Guidance Department</b> | R&D department |
| <b>Created</b>             | 06-30-2010     |
| <b>Last Updated</b>        | 06-09-2020     |