

Material Safety Data Sheet

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

Product identifier

Trade Name: Ammonium Laureth Sulfate

CAS Number: 32612-48-9

Use of the substance/preparation

Ingredient in Personal and Home Care products

Details of the supplier of the safety data sheet

Jiaxing Zanyu Development Technology Co.,Ltd.

No. 2637 Binhai Road, Pinghu, Jiaxing

China

Manufacturer/Supplier:

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2. Hazards Identification

Classification of the substance or mixture

Physical hazards	Not classified.	
	Acute toxicity - oral	Category 4
Health hazards	Skin Irritation	Category 2;
	Serious Eye Damage	Category 1;
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 3
OSHA defined hazards	Not classified.	

Label elements

Hazard label for supply/use required.



Signal word: Danger

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Hazard statements	Causes skin irritation. Causes serious eye damage. Harmful to aquatic life with long lasting effects.
Precautionary statements	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes.
Response	Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Specific treatment (see this label). If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Storage	Stored in a cool ventilated dry place
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.
Other hazards	No risks worthy of mention.

3. Composition/ Information on Ingredients

Mixtures

Name	CAS-No.	Percent [%]
Ammonium Laureth Sulfate	32612-48-9	70
Water	7732-18-5	30

4. First Aid Measures

General information:	Take off immediately all contaminated clothing.
In case of inhalation	Move victim to fresh air. Consult physician.
After skin contact:	Immediately flush with plenty of water. Remove contaminated clothing and wash clothing separately before reuse. If irritation persists get medical attention.
After eye contact:	Immediately flush eyes with running water for at least 15 minutes. Get medical attention.

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After swallowing	If the material is swallowed, get immediate medical attention or advice-- Do not induce vomiting
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5. Firefighting Measures

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

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Provide adequate ventilation. Wear protective equipment.
Environmental precaution	Do not allow to penetrate into soil, water bodies or drains.
Methods for containment	Prevent entry into waterways, sewers, basements or confined areas. Wear appropriate protective equipment and clothing during clean-up. Eliminate ignition sources including sources including sources of electrical, static or frictional sparks.
Methods for cleaning up	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. Large Spills: Dike far ahead of liquid spill for later disposal.
Reference to other sections	Refer additionally to chapter 8 and 13.

7. Handling and Storage

Precautions for safe handling	Advices on safe handing: Open and handle container with care. Precautions against fire and explosion: Take care of general rules for industrial preventive fire protection.
Conditions for safe storage, including any incompatibilities	Requirements for storeroom and containers: Protect from frost. In case the product becomes cloudy, thicker or frozen by cooling, defrost it at room temperature and stir it. Hints on joint storage: No information is available.

8. Exposure Controls/ Personal Protection

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

9. Physical & Chemical Properties

Appearance	White to Yellowish Paste
Odour	Characteristic odour
Molecular Formula	$RO(CH_2CH_2O)_n-SO_3NH_4$ R=C12~14, n=2
Molecular Weight	Ca.374
pH(25°C)	5.5~7.0 (25°C) (1% Active Solution)
Freezing point	8-12 °C
Relative density	1.03 g/ml (water=1g/ml)
Boiling point	Not available
Flash point	Not available
Vapor density	Estimated lighter than air
Solubility	Easily soluble in water @ 25°C
Main application	Used in shampoo, detergent, soap etc.

10. Stability & Reactivity

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

11. Toxicological Information

(No AES (1EO) toxicology information, the following quote from AES (2EO) data, for reference)

Acute Oral	Acute oral toxicity (LD50): 1700~5000 mg/kg [Rat.] Acute toxicity of the dust (LC50): 1.5~1.8mg/L [Pimephales promelas.]
Sub-acute and	Not list as toxicity according to the test of rat.

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Chronic Toxicity

Irritation	Moderately irritating to eyes, slight or no irritation to skin.
Carcinogenicity	Not considered to be a carcinogen according the animal tests.
Teratogenicity	Not available
Mutagenicity	Testing has shown this product to be non-mutagenic when make the rats expose in 100mg/ml products for 24h.

12. Ecological Information

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

13. Disposal Considerations

Disposal instructions	All wastes must be handled in accordance with local and national regulations. Burning method was suggested. Sulfur oxides from incinerators were removed by scrubber. Avoid contact with eyes and skin. Do not mix with other wastes.
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14. Transport Information

According to ADN/ADR/RID/IMDG/IATA not classified as dangerous goods.		
This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.		
UN number	Not applicable	
UN proper shipping name	ADR/RID, IMDG, IATA:	Not restricted
Transport hazard class(es)	Not available	
Packing group	Not available	

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Environment hazards	Marine pollutant	No
Special precautions for user	See sections 6 to 8 of this Safety Data Sheet.	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC-Code	No transport as bulk according IBC-Code	

15. Regulatory Information

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

16. Other Information

Guidance Department	R&D department
Created	06-30-2010
Last Updated	09-28-2018