

Version 1
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1、 Chemical Product and Company Identification

Trade Name	MONSA [®] ALES-70 (2EO)
INCI Name	Ammonium Laureth Sulfate
Company Identification	Guangzhou Monsa Chemical Co., Ltd
Address	Room 1119, 11th Floor, 2# Building, International Creative Community, Beitai Rd, Baiyun District, Guangzhou
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2、 Hazards Identification

Invasive Way	Inhalation, ingestion, percutaneous absorption
Health Hazards	Irritation to skin, eyes and moderate, intake to stimulate the digestive tract, inhaled particulate, mist products to stimulate the respiratory tract. Permanent damage to the eyes may.
Environmental Hazards	The product and its subsequent improvement without harm to the environment. Advice when used in accordance with the relevant provisions, and to avoid pollution of the environment.
Other Hazards	Unknown

3、 Composition, Information on Ingredients

Chemical Structure	$\text{RO}(\text{CH}_2\text{CH}_2\text{O})_n\text{SO}_3\text{NH}_4$, R=C12-14, n=2~3
Active Ingredient	(70.0±2.0)%
CAS No.	32612-48-9

4、 First Aid Measures

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 persist.
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Skin Contact	In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before reuse.
Inhalation	In case of inhalation, move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continued.
Ingestion	If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.
Note to Physician	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote available.

5、 Fire Fighting Measures

Unusual Fire and Explosion Hazards	Product will burn under fire conditions. Closed containers may explode(due to the build-up of pressure) when exposed to extreme heat.
Hazardous Decomposition Materials(Under Fire Condition)	Ammonia. Use dry chemical, sandy soil, chemical foam or carbon dioxide.
Suitable Extinguishing Media	None
Exposure Hazards During Fire	Protective clothing and self-contained breathing equipment should be available for firefighters.
Special Protective Equipment	

6、 Accidental Release Measures

Personal Protection	Avoid direct contact with the product, wear suitable protective clothing, gloves, rubber boots and mask.
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Personal Protection	The leakage is surrounded by mud or sand, the overflow of material collected in suitable containers. If necessary, absorbing overflow material with an inert material. Processing materials according to local regulations, material leakage into the sewage pipeline shall notify the local government officials.
Environmental Protection Cleanup and Disposal of Spill	Absorb with inert material (eg. dry sand, vermiculite). Sweep up and place in an appropriate closed container. Clean up residual material by washing area with water. Collect washings for disposal.

7、 Handling and Storage

Handling	Avoid breathing vapours and mists. Avoids direct or prolonged contact with skin and eyes. If freezing occurs, thaw and remix before using. Frozen material may be thawed in a warm room. Avoid localized overheating. Vent drums while heating. Mix thoroughly to assure homogeneity. Ethylene oxide may collect in container head space. Although concentrations are expected to remain below established exposure limits, provide adequate ventilation when accessing or working with open containers and tanks.
Storage	Store in a cool, well-ventilated area. Keep away from heat and flame. Store in a tightly closed container. Incompatibilities: oxidants and food. Storage temperature: 30~45°C. Storage duration: 12 Months.

8、 Exposure Controls, Personal Protection

Exposure Controls	No exposure limits were found for this product or any of its ingredients.
Ventilation	Local exhaust is required.
Respiratory Protection	When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. For reasonably foreseeable industrial end uses of this material, respiratory protection should not be necessary.

Protection Clothing	No protective clothing is normally required.
Eye/Face Protection	Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through the use of chemical safety glasses with side shields or splash proof goggles. Emergency eyewash must be readily accessible to the work area.
Skin Protection	Skin contact should be minimized through the use of gloves and suitable long-sleeved clothing(i.e. shirts and pants). Consideration must be given both to durability as well as permeation resistance.
Work Practice Controls	Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: <ol style="list-style-type: none">1. Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.3. Wash exposed skin promptly to remove accidental splashes of contact with the material.

9、Physical and Chemical Properties

Appearance(20°C)	White or light yellow paste
Odor	Faint fatty odor.
PH (1% water solution)	5.5-7.0
Boiling Point	>100°C
Flash Point	≥60°C
Flammability Class	Will burn.
Vapour Pressure	Data not available
Solubility Density	Water soluble About 1.1g/ cm ³

10、 Stability and Reactivity

Stability	In the closed-up flash point test, $fp > 80^{\circ}\text{C}$, so the substance does not belong to flammable liquid.
Reactivity	The substance does not react vigorously with reducing agent, so it does not belong to oxidizing substances.
Conditions to Avoid	Excessive heat, open flame and spark.
Materials to Avoid	Strong acids, strong oxidizing agents and strong reducing agents.
Hazardous Decomposition Products	Thermal decomposition may produce Ammonia.
Hazardous Polymerism	Will not occur.

11、 Toxicological Information

The substance does not belong to toxic substances.	
Acute Oral Toxicity	Data not available.
Skin Irritation	May cause moderate irritation to skin.
Eye Irritation	May cause moderate irritation to skin.
Sensitization	Not a skin sensitizer.

12、 Ecological Information

Biodegradability	> 95%
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13、 Disposal Considerations

Disposal Method	Chemical additions, processing or otherwise altering this material may make the waste management information presented in the MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.
Spill or Leak	In case of small amount, washes with water; In case of large amount, fences by non-flammable material and recovers.
Container Handling and Disposal	Any containers or equipment used should be decontaminated immediately after use.

14、 Transport Information

Not dangerous for conveyance under UN, IMO, ADR/RID and IATA/ICAO code.

15、 Regulatory Information

No information available.

16、 Other Information

National Fire Protection Association Hazard Ratings---NFPA(R):

- 2 Health Hazard Rating --- Moderate.
- 1 Flammability Rating --- Slight.
- 0 Instability Rating --- Minimal.

National Paint & Coating Hazardous Materials Identification System---HMIS(R):

- 2 Health Hazard Rating --- Moderate.
- 1 Flammability Rating --- Slight.
- 0 Reactivity Rating --- Minimal.

The above information is given in good faith, but no guarantee. It is intended to describe our products from point of view of safety requirements.