

Version 1
Revision Date:
07.07.2023 Print Date:
17.07.2023

1. Chemical Product and Company Identification

Trade Name	MONSA [®] LABSA-96
INCI Name	Linear alkylbenzene sulphonic acid
Company Identification	Guangzhou Monsa Chemical Co., Ltd
Address	Room 1119, 11th Floor, 2# Building, International Creative Community, Beitai Rd, Baiyun District, Guangzhou
Postal Code	510000
Tel	86-020-31520674
Fax	86-020-31520784

2. Hazards

GHS Hazard Classification:	Skin corrosion / irritation- 1
Hazard Description:	cause serious skin burns and eye damage.
Invasion:	Inhalation, ingestion, percutaneous absorption
Health hazard:	It has strong stimulating and corrosive effects on skin, mucosa and other tissues . It can cause conjunctivitis, edema and corneal opacity, More seriously, it can lead to blindness.
Environmental hazard:	it is harmful to the environment. It can pollute the air, water environment and water source.
Combustion Hazard:	Toxic, corrosive and irritating, can slightly burn human body, has sensitization , and this product is difficult to burn.
Warning statement:	
danger GHS label elements	
Pictograms:	



Symptoms / effects:	skin contact will be irritating and corrosive to the skin. It can slightly burn human body and has sensitization. Ingestion can corrode the digestive tract.
Emergency measures:	wear protective equipment. If you come into contact with it, immediately wash your skin with a large amount of soapy water and clean water. If you eat it, immediately go to the hospital for medical treatment.
Precautions:	avoid exposure to high heat and open fire. Avoid contact with strong oxidants and alkalis; Smoking and eating are prohibited at the work site; Operate after receiving special guidance; Do not operate until personnel have read and understood all safety precautions. Use personal protective equipment as required.

3.Composition and Ingredients information

Ingredients	CAS No.	Content
42615-29-2/27176-87- 0		97%
Alkylbenzene	123-01-3	1.5%
sulphuric acid	7664-93-9	1.5%

4 . First Aid Measurement

Skin contact:	take off contaminated clothes immediately and wash skin thoroughly with plenty of soapy water and clear water. After flushing, use 4-5% carbonic acid Neutralize and clean with sodium hydrogen solution. If there are burns, seek medical treatment.
Eye contact:	lift the eyelids immediately and rinse thoroughly with a large amount of flowing water or normal saline for at least 15 minutes. Seek medical treatment.
Inhalation:	leave the site quickly to a place with fresh air, keep quiet and warm. Keep the respiratory tract unobstructed. If the people breathing is difficult, give he/she oxygen. If his/her breathing stops, perform artificial respiration immediately. When breathing and heartbeat stop, artificial respiration and extra thoracic cardiac compression shall be performed immediately. Seek medical treatment.
Ingestion:	rinse your mouth with water and drink milk or egg white. Avoid vomiting and gastric lavage when digestive tract corrosion symptoms occur. Seek medical treatment.
Acute and late effect and main symptoms:	The skin has a burning sensation, which can cause epidermal necrosis.

5. : JfY!Wbfc`Aasures

Hazard characteristics:	it has strong acidity, toxicity, corrosiveness and irritation, can cause slight burns to human body, and has sensitization It is nonflammable, leaving a small amount of SO ₂ or SO ₃ gas. When heated, it will accelerate the volatilization of SO ₂ or SO ₃ gas.
Extinguishing methods and extinguishing agents:	fog water, carbon dioxide, foam, dry powder and sand. Firefighters must wear filter gas mask (full mask) or isolation
Precautions and measures for fire fighting:	respirator, and wear full body fire and gas protective clothing to prevent burns. Put out the fire upwind. Move the container from the fire site to an open place as far as possible. Spray water to keep the container cool until the fire extinguishing is completed.

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Rt qvevkg" o gcwt go gpv" r t qvevkg" gs vkr o gpv' cpf " ceelf gpwn' j cpf rpi " r t qegf wt g" hq'qr gt vpi 'r gt uppgk	Cut off the leakage source, build a dike or dig a pit to contain the leakage, and restrict personnel access. It is recommended that emergency treatment personnel wear chemical protective glasses or masks, acid resistant gloves, rain shoes and protective aprons. Do not touch or cross spills.
Gpxk qpo gpwn'r t qvevkgp" o gcwt gu<	prevent leakage from spreading and flowing into sewers and water body.
Uqt ci g'cpf "t go qxcn'o gj qf u' qh'rgcngf "ej go kcn'cpf " o cvgt kcn'wugf < 0	transfer them to plastic drums, tank cars or special collectors with tools or pumps, recycle or transport them to waste treatment sites for disposal. The polluted ground is sprinkled with sodium carbonate, washed with water, and the diluted sewage is put into the wastewater system. Preventive measures to prevent secondary hazards: avoid direct skin contact with the product

7. Handling and Storage

Operation notes	Wear chemical protective glasses or masks and acid resistant gloves; Operators must receive special training and strictly abide by the operating procedures; The workplace shall be equipped with safety shower facilities.
Storage notes:	Handle with care to prevent damage to packaging and containers. Store in a cool, dry and well ventilated warehouse. Keep away from fire and heat source. Avoid heat. The package shall be sealed and shall not come into contact with air. It shall be stored separately from inflammable(combustible) materials, active metal powder, alkali metals, oxidants and strong alkalis,

and mixed storage shall not be allowed. The storage area shall be equipped with leakage emergency treatment equipment and appropriate receiving materials.

8 . Exposure Controls/ Personal Protection Occupational exposure

limits:	No founded threshold limit standard
PC-TWA (mg /m3) :	No founded standard
MAC(mg / m3) :	No founded standard
Biological limits:	No data
Engineering control:	Good ventilation. Mechanization and automation as much as possible. Provide safety shower and eye wash equipment.
Respiratory Protection:	When the volatile concentration of SO ₂ and SO ₃ in the air exceeds the standard, you must wear a self- priming filter gas mask (full face mask). In case of emergency rescue or evacuation , air respirator shall be worn.
Eye protection:	Wear protective mask or chemical splash proof glasses.
Body protection:	Wear protective apron
Hand protection:	Wear rubber acid and alkali resistant gloves
Other protection:	No smoking and eating on job site. Take a shower and change clothes after work. Keep a good health habit.

9 . Physical and Chemical Properties Appearance& Odor

Brown viscous liquid with pungent smell.

PH value: strong acidity	Melting point (C) : no data
Relative density (water = 1): 1.045	Boiling point (C) : no data
Relative vapor density (air = 1) : no data available	Saturated vapor pressure (kPa) :no data
Octanol / water partition coefficient: no data	Flash point (C) : meaningless
Ignition temperature (C) : meaningless	Upper explosion limit [% (V / V)] : meaningless
Lower explosive limit [% (V / V)] :	meaningless

Flammability:

This product is not flammable.

Solubility:

when it meets a small amount of water, it will lump. When it meets a lot of water, it will dissolve and produce rich foam. Other Physical and Chemical Properties highly acidic and corrosive.

10. Stability and Reactivity

Hazardous reaction may happen in stable and specified conditions:

Store it in a closed, original container at room temperature. It is stable. It is also stable under normal handling, use and transportation conditions.

Prohibited substances:

active metal powder, alkali metal, strong alkali.

Conditions to avoid:

Avoid contact with high heat and open fire. Avoid contact with strong oxidants and bases.

Hazardous decomposition products:

water, sulfur oxide, carbon monoxide, carbon dioxide.

Expected use and foreseeable wrong use of chemicals:

it is an organic acid and an anionic surfactant, which is used to produce emulsifier, washing powder, detergent and other synthetic detergents.

11 . Toxicological Information

Acute toxicity:

LD50 : no data

Skin irritation/ corrosion:

It has strong stimulating and corrosive effects on skin and mucous membrane. Skin contact can cause epidermal necrosis.

Eye irritation or corrosion:

strong irritation and corrosion to eyes.

Respiratory or skin allergy:

the rate at which the substance evaporates to the harmful concentration in the air at 20 C. Due to the residual small amount of SO₂ and SO₃ in the product, the product has pungent smell and will stimulate respiratory mucosa. May cause contact allergic inflammation to the skin.

Germ cell mutagenicity:

no data .

Carcinogenicity:

no data.

Reproductive toxicity:

no data.

Specific target organ systemic toxicity - single exposure:

no data.

Specific target organ systemic

toxicity - repeated exposure: No data.

Inhalation hazard:

it will stimulate respiratory mucosa.

12 . Ecological Information

Ecological toxicity:

LC50: No data;

EC50:

No data; Toxic to animals. It can cause pollution to water, soil and atmosphere. Special attention shall be paid to organisms, bees, shellfish, molluscs and birds in water or soil. Toxic to soil organisms. Special attention should be paid to plants and aquatic organisms. Special attention shall be paid to the pollution of surface water, soil, atmosphere and drinking water.

Persistence and degradability:

biodegradable in the environment.

Potential bioaccumulation:

not easily adsorbed by sediments.

Mobility in soil:

it is easy to migrate in alkaline soil.

13. Disposal Considerations

Disposal notes: The waste water shall be treated innocuously before being discharged into the sewer or water area. Observe local waste disposal regulations.

14. Transport information

UN number: 2586

UN shipping name: Liquid alkyl sulfonic acid or liquid aryl sulfonic acid, containing no more than 5 % free sulfuric acid

UN hazard classification: category 8.1 acidic corrosive products.

Packing category: III

Packing: plastic barrel, 30 4 or 31 6 tank truck for transportation.

Marine pollutants (yes / no): Yes

Transport notes: During railway transportation, the dangerous goods shall be loaded in strict accordance with the dangerous goods loading table in the dangerous goods transportation rules of the Ministry of railways. The package shall be complete and the loading shall be stable. During transportation, ensure that the container does not leak, collapse, fall or damage. It is strictly prohibited to load and transport with active metal powder, alcohol, alkali metal, strong alkali, edible chemicals, etc. During transportation, the transport vehicle shall be equipped with leakage emergency treatment equipment. During transportation, it shall be protected from sun exposure, rain and high temperature. During highway transportation, drive according to the specified route, and do not stay in residential areas and densely populated areas.

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

Occupational Disease Prevention Law of the PRC (passed on October 27 , 20 0 1 , by the Ninth NPC Standing Committee at the 2 4 th meeting)

Environmental Protection Law of the PRC (passed on December 26 , 1 989 , by the Seventh National People' s Congress at the 11 th meeting)

Safety Production Permit Regulations (passed on January 7, 2004 , by the State Council at the 3 4 th executive meeting)

Hazardous chemicals Management Regulations (January 26 , 20 0 2 , the State Council issued) Workplace safety use of chemicals Regulation ([19 9 6] No. 42 3 Ministry of Labor) Classification and Labeling of Common Hazardous Chemicals (GB 13690 - 92)

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 (15 min) under the premise of complying.