

Section1- Product and Company Identification

Product Name: Lauryl methacrylate
 Company Name: Suzhou Hechuang Chemical Co., Ltd
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 Product Code: HCM110
 State Emergency Tel: 86-0532-83889090, 86-119

Section 2 - Hazards Identification

GHS- classification and hazard statement

Skin corrosion/irritation	Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation	Category 2A	H319	Causes serious eye irritation.
Specific target organ toxicity - single exposure Respiratory system	Category 3	H335	May cause respiratory irritation.
Acute aquatic toxicity	Category 1	H400	Very toxic to aquatic life.
Chronic aquatic toxicity	Category 4	H413	May cause long lasting harmful effects to aquatic life

Label elements

Pictogram



Signal word

Warning

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
 P264 Wash ... thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

Incident response(s)

P302 + P352 IF ON SKIN:Wash with plenty of water
 P304+P340+P312 IF INHALED:Remove victim to fresh air and keep at rest in a position comfortable for breathing.Call a POISON CENTER or doctor if you feel unwell.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332+P313 IF SKIN irritation occurs:Get medical advice/attention.
 P337+P313 If eye irritation persists:Get medical advice/attention.
 P391 Collect spillage.

Storage(s)

P403+P233 Store in a well-ventilated place.Keep the container closed.
 P405 Store locked up.

Abandon(s)

P501 Dispose of contents/containers to approved waste treatment plants.
 Other hazards None

Section 3 - Composition/Information on Ingredients

Chemical name: LMA
CAS No.: 142-90-5
Proportion: min.97.0%
Molecular Weight: 254.41 g/mol
Chemical Formula: C₁₆H₃₀O₂

Section 4 - First aid measures

Description of necessary first aid measures

General advice: consult your doctor. Present this safety instruction to the doctor on site.

Inhalation: if inhaled, move person to fresh air. If breathing stops, perform artificial respiration. Consult your doctor.

Skin contact: Rinse with soap and plenty of water. Consult your doctor.

Eye contact: rinse thoroughly with plenty of water for at least 15 minutes and consult your doctor.

If swallowed: do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

Major symptoms and effects, acute and delayed effects

As far as we know, the chemical, physical and toxic properties have not been fully studied.

Instructions and instructions for prompt medical treatment and special treatment required: no data available

Section 5 - Fire Fighting Measures

Extinguishing medium: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

A particular hazard of this substance or mixture: carbon oxides.

Advice to firefighters: wear self-contained breathing apparatus when necessary for fire fighting operations.

Further information: spray water to cool unopened containers.

Section 6- Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Environmental precautions measures

If safety is ensured, measures can be taken to prevent further leakage or overflow. Do not let products into the sewer. Avoid emissions into the surrounding environment. The method of receiving and removing the leaking chemicals and the disposal materials used. To contain the overflow, collect it with an electric proof vacuum cleaner and a wet brush and place it in a container for disposal in accordance with local regulations (see part 13).

Section 7- Handling and Storage Measures

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhaling steam and smoke. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Storage precautions

Store in a cool place. Keep container air tight and store in dry and ventilated place

Light sensitive. Heat sensitive.

Specific end use(s): No other specific uses are stipulated

Section 8 - Exposure Controls, Personal Protection

Control parameters: Components with workplace control parameters

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protective equipment: Eye/face protection: Masks and safety glasses should be protected against the eyes with equipment tested and approved by official standards such as NIOSH (USA) or EN 166 (eu).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9 - Physical and Chemical Properties

a) Appearance:	Clear liquid
b) Odor:	No data available
c) Odour Threshold	No data available
d) PH:	No data available
e) Melting point/freezing point	Melting point/range: -7 °C - lit.
f) Initial boiling point and boiling range	142 °C at 5 hPa - lit
g) Flash point	107 °C - closed cup
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	ca.0.06 Pa at 20 °C
l) Vapour density	No data available
m) Relative density	0.868 g/mL at 25 °C - lit.
n) Water solubility	< 1 µg/l at 25 °C - insoluble
o) Partition coefficient: noctanol/water	log Pow: 6.766
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

Section 10 - Stability and Reactivity

Stability: Stable under recommended storage conditions.

Reactivity: No data available

Incompatible materials: Strong oxidizing agents

Conditions to avoid : no data available

Decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section 11 - Toxicological Information

Acute toxicity: no data available

Skin corrosion/irritation: Skin - Rabbit Result: Mild skin irritation - 24 h (Draize Test)

Severe eye injury/irritation: Eyes - Rabbit Result: Mild eye irritation - 24 h

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

Toxicity to fish: no data available

Persistence and degradability: no data available

Bio accumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment: This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects: Very toxic to aquatic life with long lasting effects.

Section 13 - Disposal Considerations

Waste properties: hazardous waste industrial solid waste

Disposal method: Dispose of the remaining and non-recyclable solutions to licensed companies.

Contaminated containers and packages: disposed of as unused products.

Section 14 - Transport Information

UN number

ADR/RID: 3082

IMDG:3082

IATA:3082

UN proper shipping name

ADR/RID:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (Dodecyl methacrylate)

IMDG:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (Dodecyl methacrylate)

IATA:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (Dodecyl methacrylate)

Transport hazard class(es)

ADR/RID: 9

IMDG:9

IATA:9

Packaging group

ADR/RID:III

IMDG: III

IATA: III

Environmental hazards

ADR/RID: yes

IMDG Marine pollutant: no

IATA: yes

Special precautions for user: No data available

Packages: Plastic Drum

Precautions for transportation: check whether the packaging container is complete and sealed before transportation, and ensure that the container does not leak, collapse, fall or damage during transportation. It is strictly prohibited to mix with oxidant, acid, alkali, food chemicals, etc. Transport vehicles and vessels must be thoroughly cleaned and disinfected, or no other goods may be shipped. When shipping, the fitting position should be far away from bedroom, kitchen, and isolated from engine room, power supply, fire source and other parts. When carrying goods by road, we should follow the prescribed route.

Section 15 - Regulatory Information

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available

Chemical Safety Assessment: For this product a chemical safety assessment was not carried out

Section 16 - Additional Information

References:

1. United Nations IPCS. International chemical safety card # 0126. Apr. 2000
2. GENIUM'S Handbook of Safety, Health and Environmental Data for Common Hazardous Substances, Genium Publishing Corporation, 1999
3. National occupational health standards. Occupational exposure limits for hazardous agents in the workplace—Part 1: Chemical hazardous agents. (GBZ 2.1-2019). 2019
4. Zhou Guotai and so on. Technical book on safety of hazardous chemicals. Beijing: chemical industry press, 1997

Creation Department: Suzhou Hechuang Chemical Co., LTD.

Data audit unit: Suzhou Hechuang Chemical Co., LTD.

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Modification instructions: None

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