Guangzhou Monsa Chemical Co., Ltd
Material Safety Data Sheet

Version 1
Revision Date: 07.07.2023
Print Date: 17.07.2023

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name	MONSA® LAO/Cocoamine Oxide
CAS No.	61788-90-7
Company Identification	Guangzhou Monsa Chemical Co., Ltd
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2.HAZARDIDENTIFICATION

2.1 Physical chemistry hazard	The product is colorless to light yellow liquid.It may cause slight irritation to skin and eye when long-term contacta mass of oral ingestion may cause harm to health
2.2 Possible Health Effects	
Inhalation	Involatile liquid. no harm
Oral ingestion	Mass oral ingestion may cause nausea and vomit
2.3 Chronic effect	
Eye	May cause slight eye irritation after long-term contact
Skin	May cause slight irritation after long-term contact
Inhalation	Not suitable
Oral ingestion	May cause vomit and nausea if ingest mass
2.4 Environmental hazard	No toxicity on algae experiment

3.COMPOSITION/INFORMATION ON INGREDIENS

3.1 Component	Concentration	CAS No.
Lauramine oxide	30±2%	1643-20-5
Water	70+2%	7732-18-5

4.FIRST AID MEASURE

4.1 Inhalation	Not suitable
4.2 Skin contact	Wash with plenty of water immediately.seek medical attention
4.3 Eye contact	Rinse with flowing water or normal saline immediately seek medical attention
4.4 Ingestion	Rinse the mouth.promoteemesisseek medical attention

5.FIRE FIGHTING MEASURE

Not suitable

6.ACCIDENTAL RELEASE MEASURE

6.1 Personal protection	Avoid eyes/face contact by wearing rubber gloves and safety goggles Slight release can be cleaned by water
6.2 Environmental protection	Recycle when release mass and do not discharge to drain Avoid to pollute the environment
6.3 Spill and Leak Procedure	Collected by common plastic container.Clean up residual material by water.Collect washings for disposal

7.HANDLING AND STORAGE

7.1 Handling	Comply with the good manufacturer procedures,Avoid direct or prolonged contact with eyes.Do not ingest wash hand after handing
7.2 Storage Condition	Keep container tightly closed in a dryand well-ventilated place

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Occupational exposure limit	Not suitable
8.2 Biological limit	Not suitable
8.3 Engineering Control	Meaningless

8.4 Personal Protective Equipment for Routine Handling

Respiratory protection	Unnecessary
Eye protection	Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles
Hand protection	Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (ie.,shirts and pants).Consideration must be given both to durability as well as permeation resistance
Skin protection	Washing with water after work
Remarks	The above information based on normal operation.Pay special attention if handle at high temperature or special condition

9.PHYSICAL AND CHEMICALPROPERTIES

9.1 Appearance	Colorless to light yellow transparent liquid
Color(Hazem)	≤50
Odor	Slight typical odor
PH(10% water solution)	6.0-8.0
Active matter (%)	30±2
H202	≤0.2
Free amine	≤0.7
Solubility	Soluble in water or hydrophilic solvent
Melting point	Not suitable
Boiling point	Not suitable
Flashing point	Not suitable
Autoignition temperature	Not suitable
Explosive limit	Not suitable
Vapor pressure	No data
Vapor density	No data
Relative density	No data
Resolvetemperature	No data
Octanol-water partition coefficienct	No data

10.STABILITY AND REACTIVITY

10.1 Stability	Stable under requlr environment temperature and condition
10.2 Hazardous reaction	None

11.TOXICOLOGICALINFORMATION

11.1 Acute toxicity	No data
11.2 Skin irritation or corrosion	No data
11.3 Eye irritation or corrosion	No data
11.4 Respiratory or skin allergy	No data
11.5 Germ cell mutagenicity	No data
11.6 Carcinogenicity	No data
11.7 Reproduction toxicity	No data
11.8 Specific target organ systemic toxicity	No data
11.9 Inhalation toxicity	Not suitable
11.10 Toxicological Information	Oralrat LD50:5000mg/kg

12.ECOLOGICAL INFORMATION

12.1 Eco toxicity	No data
12.2 Biodegradability	Degrade over 99% in 7 days
12.3 Potential bioaccumulation	No data
12.4 Mobility in earth	No data

13.DISPOSAL CONSIDERATIONS

13.1 Chemical waste	Recycle and reuse as much as possible,or the third party recycle which is professional
13.2 Contaminated packaging	Can't reuse the packaging without handling,if needthe packaging should be washed and noresidue
13.3 Disposal precaution	Dispose of in accordance with nation and local regulation

14.TRANSPORTINFORMATION

14.1 The UN dangerous cargo No.	Not suitable
14.2 The UN shipping name	Not suitable
14.3 The UN hazardous classification	Not suitable
14.4 Ocean pollution	No
14.5 Weight of package	200kg (n.w.)and 210kg(g.w.)
14.6 Package classification	cylinder bucket and blue plastic drum
14.7 Suggestion according to lATA DGR	This substance is not subject to lATADGR and IMDG
14.8 Packaging requirements	Not Restricted IATA DGR and IMDG
14.9 Transportation precaution	The transportation of the product apply to airway, railway, highway, waterway, seaway. Protect it from sunlight and rain when transit and comply with the relevant safety rules of transportation

15.REGULATORYINFORMATION

Provisions of management of the chemical

<Regulations of safety use ofchemicals in workplaee>

<convention of safety use of chemicals in operating palace>

16.OTHERINFORMATION

The MSDSis compiled according to the latest Nation Standard GB/T16483GB/T 17159