



**Transfar
Chemicals**

Safety Data Sheet (SDS)

LAURYL OLEATE SG-1

According to GB/T 16483, GB/T 17519, GHS

Version:7.0

SDS No.: SDS/SG-1

Revision date:2025.3.1

Section 1 Chemical product and company identification

1.1 Product identifier

Product name(ENG)	LAURYL OLEATE SG-1
Product name(CHN)	月桂醇油酸酯 SG-1

1.2 Details of the supplier of the safety data sheet

Registered company name	Transfar Zhilian Co.,Ltd.
Address	Xiaoshan Economy & Technology Development Zone, Hang Zhou, Zhejiang, China
Telephone	0571-83781255
Fax	0571-82694738
Website	www.transfarchem.com
Email	gfttech@etransfar.com

1.3 Emergency telephone number

Emergency telephone numbers	0571-83781255 (8:00-17:00)
Other emergency telephone numbers	0532-83889090 (NRCC)

1.4 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Applicable to industries such as textiles, metal processing, plastic processing, aerospace, etc.
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Section 2 Hazards identification

2.1 Summary of hazard in an emergency situation

Liquid. Mixes with water.

2.2 Classification of hazards

Classification	Non hazardous
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2.3 Label elements

GHS label elements	Not Applicable
SIGNAL WORD	NOT APPLICABLE

2.4 Hazard statement(s)

Not Applicable

2.5 Precautionary statements

Precautions

Not Applicable

Incident response

Not Applicable

Safe storage



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Not Applicable

Waste disposal

Not Applicable

2.6 Physical and Chemical Hazard

Liquid. Mixes with water.

2.7 Health Hazards

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract. Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
Ingestion	Ingestion of the material may be damaging to the health of the individual.
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact. Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.
Eye	Although the liquid is not thought to be an irritant , Direct contact with the eye may produce transient discomfort characterized by tearing or conjunctival redness (as with windburn).

2.8 Environmental Hazards

See Section 12.

2.9 Other hazards

Not Applicable

Section 3 Composition/information on ingredients

3.1 Chemical properties

Mixture

3.2 Composition Information

CAS No.	%[weight]	Name
36078-10-1	100.0	Dodecyl oleate

Section 4 First aid measures

4.1 Description of first aid measures

Eye Contact	If this product comes in contact with eyes: ● Wash out immediately with water. ● If irritation continues, seek medical attention. ● Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin or hair contact occurs: ● Flush skin and hair with running water (and soap if available).



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	● Seek medical attention in event of irritation.
Inhalation	● If fumes, aerosols or combustion products are inhaled remove from contaminated area. ● Other measures are usually unnecessary.
Ingestion	● Immediately give a glass of water, if eat by accident. ● If there is discomfort, medical treatment.

4.2 Advise for rescue team (PPE requirement for rescue personnel)

Wear portable respiratory protective devices if get into the scene of the accident.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5 Firefighting measures

5.1 Extinguishing media

Fire extinguisher	● Water spray or fog. ● Foam. ● Dry chemical powder. ● BCF (where regulations permit). ● Carbon dioxide.
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5.2 Special hazards arising from the substrate or mixture

Fire Incompatibility	● Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.
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5.3 Advice for firefighters

Fire Fighting	● Alert Fire Brigade and tell them location and nature of hazard. ● Wear full body protective clothing with breathing apparatus. ● Prevent, by any means available, spillage from entering drains or water course. ● Use water delivered as a fine spray to control fire and cool adjacent area. ● DO NOT approach containers suspected to be hot. ● Cool fire exposed containers with water spray from a protected location. ● If safe to do so, remove containers from path of fire.
Fire/Explosion Hazard	● Combustible. ● Slight fire hazard when exposed to heat or flame. ● Heating may cause expansion or decomposition leading to violent rupture of containers. ● High temperature decomposition products include silicon dioxide, small amounts of formaldehyde, formic acid, acetic acid and traces of silicon polymers. ● On combustion, may emit toxic fumes of carbon monoxide (CO). ● May emit acrid smoke. ● Mists containing combustible materials may be explosive. ● Combustion products include:



	Carbon dioxide (CO ₂), Other pyrolysis products typical of burning organic material May emit corrosive fumes.
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Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Minor Spills	● Clean up all spills immediately. ● Avoid contact with skin and eyes, by using protective equipment. ● Collect the leakage, place in a suitable, labelled container for waste disposal.
Major Spills	● Alert Fire Brigade and tell them location and nature of hazard. ● Use protective equipment to avoid contact with skin and eyes ● Contain spill with sand, earth or vermiculite. ● Collect recoverable product into labelled containers for recycling. ● Collect residues and seal in labelled drums for disposal. ● If contamination of drains or waterways occurs, advise emergency services.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

6.2 Measures for Preventing Secondary Contamination

Refer to section above

6.3 Environmental precautions

See section 12

Section 7 Handling and storage

7.1 Precautions for safe handling

Safe handling	● Avoid all personal contact, including inhalation. ● Wear protective clothing when risk of exposure occurs. ● Use in a well-ventilated area. ● Prevent concentration in hollows and sumps. ● DO NOT enter confined spaces until atmosphere has been checked. ● Avoid smoking, naked lights or ignition sources. ● Avoid contact with incompatible materials. ● When handling, DO NOT eat, drink or smoke. ● Keep containers securely sealed when not in use. ● Avoid physical damage to containers. ● Always wash hands with soap and water after handling. ● Work clothes should be laundered separately. ● Use good occupational work practice. ● Observe manufacturer's storage and handling recommendations contained within this SDS.
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Version:7.0

SDS No.: SDS/SG-1

Revision date:2025.3.1

	● Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions.
Other information	● Store in original containers. ● Keep containers securely sealed. ● No smoking, naked lights or ignition sources. ● Store in a cool, dry, well-ventilated area. ● Store away from incompatible materials and foodstuff containers. ● Protect containers against physical damage and check regularly for leaks. ● Observe manufacturer's storage and handling recommendations contained within this SDS.

7.2 Conditions for safe storage, including any incompatibilities

Suitable container	● Metal can, plastic tank or drum ● Packaging as recommended by manufacturer. ● Check all containers are clearly labelled and free from leaks.
Storage incompatibility	

Section 8 Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure limits (OEL)

Ingredient data

Not Available

Ingredient	Original IDLH	Revised IDLH
Dodecyl oleateSG-1	Not Available	Not Available

8.2 Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. If risk of overexposure exists, wear approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant. Process controls which involve changing the way a job activity or process is done to reduce the risk.
Personal protection	



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Eye and face protection	● Safety glasses with side shields. ● Chemical goggles.
Skin protection	See Hand protection below
Hands/feet protection	● Wear chemical protective gloves, e.g. PVC. ● Wear safety footwear or safety gumboots, e.g. Rubber
Body protection	See Other protection below
Other protection	● Overalls. ● P.V.C. apron. ● Eye wash unit.
Thermal hazards	Not Available

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Light yellow to yellow transparent liquid
Odour	Slight odour
Odour threshold	No data available
pH as a solution (1%)	No data available
Melting point / freezing point (°C)	No data available
Initial boiling point and boiling range (°C)	No data available
Flash point (°C)	No data available
Flammability	Not Applicable
Upper Explosive Limit (%)	No data available
Lower Explosive Limit (%)	No data available
Explosive properties	Not explosive
Vapour pressure (kPa)	No data available
Vapour density (Air = 1)	No data available
Relative density (Water = 1)	No data available
Solubility in water (g/L)	Dispersed in water
Partition coefficient n-octanol / water	No data available
Auto-ignition temperature(°C)	No data available
Decomposition temperature(°C)	No data available
Critical temperature(°C)	No data available
Critical pressure(kPa)	No data available
Combustion heat	No data available
Evaporation rate	No data available
Viscosity (mPa·s)	No data available



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VOC(g/L)	No data available
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Section 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	● Product is considered stable. ● Hazardous polymerisation will not occur
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

Section 11 Toxicological information

Acute oral toxicity LD50	>5000mg/kg (rat).
Acute dermal toxicity LD50	No data available
Acute inhalation toxicity LC50	No data available
Skin corrosion /irritation	No data available
Eye damage/ irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available
STOT – single exposure	No data available
STOT - repeated exposure	No data available
Aspiration toxicity	No data available
Carcinogenicity assessment carcinogenicity	No data available

Section 12 Ecological information

Acute aquatic toxicity LC50	>100mg/L (OECD 203, 96h, Fish)
Acute aquatic toxicity EC50	>100mg/L (OECD 202, 48h, Daphnia)
Acute aquatic toxicity ErC50	>100mg/L (OECD 201, 72h, Algae)
Aquatic toxicity IC50	>100mg /L (OECD 209, 3h, Bacteria)
Chronic toxicity to fish	No data available
Chronic toxicity to aquatic	No data available



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invertebrates	
Degradability	No data available
COD	No data available
BOD	No data available
Persistence	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available

Section 13 Disposal considerations

Waste chemicals	● Treatment must be in accordance with applicable Federal, State/Provincial, and Local regulations ● Recycle as much as possible, try to avoid and reduce waste ● DO NOT discharge the waste into drains
Contaminated packing materials	● Packaging may contain residual chemicals, Treatment must be in accordance with applicable Federal, State/Provincial, and Local regulations ● Recycle or reuse of cleaned materials should be in accordance with applicable Federal, State/Provincial, and Local regulations
Precautions for Transport	● Attentions of operation, treatment and precautions of workers should be referred to the content of section 7 and section 8

Section 14 Transport information

Land transport (UN)	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
Air transport (ICAO-IATA / DG)	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
Sea transport (IMDG-Code / GGVSee)	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
Transport patterns	Sea transport、railway transport、road transport
Cautions during transport	Do not leak, avoid water

Section 15 Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

Dodecyl oleateSG-1 (36078-10-1)	China Inventory of Existing Chemical Substances
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Section 16 Other information

Disclaimer



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The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

The information in the SDS applies only for the specified product and does not include mixtures of this product with other substances and mixtures. The SDS provides product safety information for personnel trained to use this product only.