

SAFETY DATA SHEET (SDS)

Product Name: Cyclopropanecarboxaldehyde
Date Prepared: May 11,2023

SDS number: HS/HBJQ001-2023
Version: A/0

Section 1 - Product and Company Identification

Product name Cyclopropanecarboxaldehyde
Applicant name Lanzhou Hong Sheng Fine Chemical Co., LTD
Application address Room 820, strategic emerging industry hatching base, Qinchuan Garden, Lanzhou new district, Lanzhou City, Gansu Province
Applicant post code ---
Applicant fax ---
Applicant emergency number +86-13194871973
Applicant email 37048462@qq.com
Manufacturer name Lanzhou Hong Sheng Fine Chemical Co., LTD
Manufacturer address Room 820, strategic emerging industry hatching base, Qinchuan Garden, Lanzhou new district, Lanzhou City, Gansu Province
Manufacturer post code ---
Manufacturer fax ---
Manufacturer emergency number +86-13194871973
Recommended and restricted USES Used for Pharmaceutical intermediate

Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the ninth revised edition):

GHS hazard class

Physical hazard	Flammable liquids	Category 2	H225
Health hazard	Skin corrosion/irritation	Category 1B	H314
	Severe eye injury/eye irritation	Category 1	H318

Pictogram



Signal Danger

Hazard statements H225 Highly flammable liquid and vapour
H314 Causes severe skin burns and eye damage

Prevention P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P242 Use non-sparking tools.

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Response	P243 Take action to prevent static discharges.
	P264 Wash hands thoroughly after handling.
	P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
	P301 + P330 + P331 If swallowed: Rinse mouth. Do not induce vomiting.
	P303 + P361 + P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].
	P304 + P340 + P310 If inhaled: Remove person to fresh air and keep comfortable for breathing. Call emergency center/doctor immediately.
	P305 + P351 + P338 + P310 If in eyes: Rinse carefully with water for a few minutes. If you wear contact lenses and can easily remove them, remove them. Keep rinsing. Call emergency services/doctors immediately.
Storage	P363 Wash contaminated clothing before reuse.
	P370 + P378 In case of fire: Use dry powder and sand to extinguish fire. Do not use water or foam to extinguish fires.
Disposal	P403 + P235 Store in a well-ventilated place. Keep cool.
	P405 Store locked up.
Disposal	P501 Send the contents/containers to an approved waste treatment plant for disposal.

Section 3 – Composition/Information on Ingredients

Component	Concentration (%)	CAS No.	EC No.
Cyclopropanecarboxaldehyde	≥90%	1489-69-6	/

Section 4 – First Aid Measures

After skin contact	Remove/remove all soiled clothing immediately. Wash skin/shower with water. Call the doctor immediately.
After eye contact	Wash off with plenty of water. Contact the ophthalmologist immediately. Remove contact lens
After ingestion	Give the victim water (up to 2 cups) to avoid vomiting (risk of perforation!) . Call the doctor immediately. Do not attempt to neutralize
After inhalation	Move the wounded to fresh air and Call the doctor immediately.

Section 5 – Fire Fighting Measures

Hazardous products of combustion	Oxocarbon. Flammable. Watch out for backfires. Vapor is heavier than air and therefore diffuses over the ground. A fire may cause the formation of harmful gases or vapors. Form an explosive mixture with air at a moderate temperature.
Extinguishing method	Foam, carbon dioxide (CO ₂), dry powder fire extinguisher
Special protective equipment	Put on full body protective clothing and self-contained breathing apparatus to fight the fire.

Section 6 – Accidental Release Measure

Personal protective measures	Use the personal protective equipment. Avoid inhaling vapors, vapors, or gases.
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Ensure adequate ventilation. Eliminate all fire sources. Evacuate people to a safe area. Note that the vapor accumulates to an explosive concentration and can be stored in low-lying areas of the ground.

Environmental protective measures Take measures to prevent further leakage or overflow under safe conditions. Do not let the product into the sewer. The risk of explosion.

Methods for taking in and cleaning up Collect, enclose and extract the leakage, and use liquid absorbing materials to absorb the spill into a suitable closed container for disposal as hazardous waste. Clean up the affected area

Section 7 – Handling and Storage

Safe handling Operate under Hood. Avoid contact with skin and eyes. Avoid inhaling vapors or droplets.

Fire and explosion protection measures:

keep away from open fire, hot surface and ignition source. No fireworks. Take measures to prevent electrostatic discharge. Avoid contact with water.

Hygiene practices:

change contaminated clothing immediately and use skin protection lotion. . Wash hands and hands after using this substance.

Storage

Storage conditions:

Keep the container closed and stored in a dry, ventilated place. Stay away from heat and fire.

Storage stability:

The recommended storage temperature is 2-8 °C

VCI storage grade:

German storage grade (TRGS 510) : 3: flammable liquids

Section 8 – Exposure Controls/Personal Protection

Engineering Controls Operate in accordance with good industrial hygiene and safety practices. Change contaminated clothing immediately. Use skin protection lotion. Wash hands and face after using this substance

Respiratory protection Wear a gas mask or respiratory protective device.

Hand Protection Gloves must be checked before they are put on. Remove gloves (do not touch the outer surface of the gloves) using appropriate methods to avoid any skin contact with the product. After use, please handle the contaminated gloves carefully according to the relevant laws and regulations and effective laboratory procedures. Please Wash and dry your hands.

Eye protection Protect your eyes with equipment that has been tested and approved by an official standard such as NIOSH (USA) or EN 166(EU) . Tight-fitting protective glasses

Flame retardant

anti-static protective clothing. Flame retardant anti-static protective clothing.

Section 9 – Physical and Chemical Properties

Physical state: Transparent liquid

Color: Colorless

Odor: The stench

pH value: No data available

Melting point/freezing point(°C): No data available

Initial boiling point and boiling range(°C): 98 - 101 °C - lit.

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Flash point(°C)(closed cup): 7 ° C - closed cup

Flammability: Flammable

Upper explosive limit%(V/V): No data available

Lower explosive limit%(V/V): No data available

Vapor pressure (hPa): No data available

Vapor density (g/mL): No data available

Relative density(/): No data available

Solubility: No data available

Octanol / water partition coefficient: No data available

Kinematic viscosity (mm²/s): No data available

Auto-ignition temperature(°C): No data available

Decomposition temperature(°C): No data available

Particle characteristics: No data available

Section 10 – Stability and Reactivity

Reactive	No data available.
Chemical stability	The chemical property is stable under standard environmental conditions (room temperature)
Possibility of hazardous reactions	No data available.
Avoid conditions	Heat
Incompatible materials	Strong oxidizer strong oxidizer, strong alkali
Hazardous decomposition products	oxocarbon

Section 11 – Toxicological Information

Acute toxicity: transoral-	No data available.
Skin corrosion/irritation:	No data available.
Serious eye damage/eye irritation:	No data available.
Respiratory or skin sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available.
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.

Section 12 – Ecological Information

Toxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Other adverse effects:	No data available.

Section 13 – Disposal Considerations

Property of waste:	No data available.
Methods of disposal:	National and local regulations should be consulted before disposal. Give the remaining and non-recyclable solutions to a licensed company
Precautions of disposal:	Contact professional waste disposal department to deal with waste.

Section 14 - Transport Information

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UN number: 3399

UN proper shipping name: FLAMMABLE LIQUID, CORROSIVE, N.O.S.

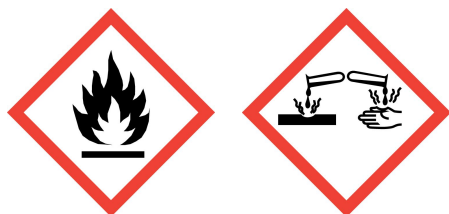
(Contains Cyclopropanal)

Transportation primary hazard class: 3

Transportation secondary hazard class: 8

Packing group: II

Hazard labeling:



Marine Pollutants (Yes/No): Yes (《List of hazardous Marine pollution goods》)

Special precautions relating to transport or means of transport: The packing should be complete and the loading should be safe. During transportation, the container shall not leak, collapse, fall or be damaged. Transport vehicles and vessels must be thoroughly cleaned and disinfected, otherwise other articles may not be carried.

Section 15 - Regulatory Information

Regulatory Information: the following laws, regulations and standards provide for the safe use, storage, transport, handling, classification and labelling of chemicals:

List of chemicals	Is in the directory
List of hazardous chemicals under key supervision	-
List of highly toxic substances (2003 edition)	-
List of explosive-prone hazardous chemicals (2017 edition)	-
List of hazardous chemicals (2015 edition)	-
Classification and catalogue of Precursor Chemicals	-

Standard Series for classification and labelling of chemicals (GB 30000.2-2013-GB30000.29-2013)

Regulations on the Safety Administration of Dangerous Chemicals (order of the State Council No. 591)

Section 16 - Additional Information

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References: The SDS is prepared in accordance with 《Chemical Safety Technical Instructions the Contents and Sequence》(GB/T16483-2008) and 《Guidance for Preparing Chemical Safety Technical Instructions》(GB/T 17519-2013). The GHS classification of chemicals in the SDS is based on the chemical classification and label specification series standard (GB 30000.2-2013 ~ GB30000.29-2013).

Disclaimer: The chemical registration center of the Ministry of Emergency Management has provided all the relevant information in this SDS, but we can not guarantee its absolute completeness and

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accuracy. This SDS only provides safety precautions for those who are properly trained to use the product. To obtain the individual users of this SDS, under special conditions of use, must make an independent judgment of the applicability of this SDS. Under special circumstances, the chemical registry shall not be liable for any injury caused by the use of this SDS.