

MATERIAL SAFETY DATA SHEET

Cyclo-propane carboxylic acid

Part one Chemical product and Company identification

Chemical English Name: Cyclo-propane carboxylic acid

Company Name: Shenzhen Honest Chem Chemical Co.,ltd.

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Document Number: MSDS003

Date into Effect: 24/04/2005

Registered Code:

Part Two Composition/Component Information

Name: Cyclo-propane carboxylic acid

CAS : 1759-53-1

Content: 99.0% min

Part Three Hazards Identification

EMERGENCY OVERVIEW

Harmful if swallowed. Causes burns.

Potential Health Effects

Eye:

Causes eye burns.

Skin:

Causes skin burns.

Ingestion:

Harmful if swallowed. Causes gastrointestinal tract burns. May cause nausea and vomiting. May cause burning sensations, coughing, wheezing, laryngitis, shortness of breath and headache.

Inhalation:

Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. May cause burning sensation, coughing,

wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

Chronic:

Not available.

Part Four First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physical

Treat symptomatically and supportively.

Part Five Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. Combustible liquid.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

Part Six Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Part Seven Handling and Storage

Handling:

Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

Storage:

Keep away from sources of ignition. Store in a tightly closed container. Store in a dry area. Keep refrigerated. (Store below 4degree C.)

Part Eight Exposure Controls/Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment**Eyes:**

Wear chemical goggles.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Part Nine Physical and Chemical Properties

Physical State:	Liquid
Color:	Clear colorless to light yellow
Odor:	Stench
pH:	3(10g/l aq.sol., deg C)
Vapor Pressure:	Not available.
Viscosity:	Not available.
Boiling Point:	182 - 184 deg C @ 760mmHg
Freezing/Melting Point:	17 - 19 deg C
Autoignition Temperature:	84 deg C
Flash Point:	71 deg C
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	
Solubility in water:	Soluble.
Specific Gravity/Density:	1.085g/cm ³
Molecular Formula:	C ₄ H ₆ O ₂
Molecular Weight:	86.09

Part Ten Stability and Reactivity**Chemical Stability:**

Stable.

Conditions to Avoid:

Incompatible materials, ignition sources.

Incompatibilities with Other Materials:
Strong oxidizing agents, strong bases.
Hazardous Decomposition Products:
Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur.

Part Eleven Toxicological Information

RTECS#:

CAS# 1759-53-1: GZ1100000

LD50/LC50:

Not available.

Oral, rat : LD50 = 630 mg/kg

Carcinogenicity:

Cyclopropanecarboxylic acid -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

Part Twelve Ecological Information

Part Thirteen Transportation Information

Dispose of in a manner consistent with federal, state, and local regulations.

Part Fourteen Regulatory Information

IATA

Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.*

Hazard Class: 8

UN Number: 3265

Packing Group: II

IMO

Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Hazard Class: 8

UN Number: 3265

Packing Group: II

RID/ADR

Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Hazard Class: 8

UN Number: 3265

Packing group: II

Part Fifteen Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

R 22 Harmful if swallowed.

R 34 Causes burns.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 1759-53-1: No information available.

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Exposure Limits

US FEDERAL

TSCA

CAS# 1759-53-1 is listed on the TSCA inventory.

Part Sixteen Other Information

References: 1. *Safety Management for Chemicals at Working Spot*

2. *Safety Handbook for Hazardous Goods*

3. *All-Round Book for Safety Technology Hazardous Chemicals*

4. *Register Regulation for Hazardous Chemicals*

Writing Date: April, 2005

Writing Organization: Shenzhen Honest Chem Chemical, Co., Ltd.

Data Inspected by: Shenzhen Honest Chem Chemical, Co., Ltd..

Others:

The data in this Chemical Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS