



Safety Data Sheet

1 - Product and Company Information

Product Name isoamylene

2 - company information

Zibo Liantan Chemical Co.,LTD

Add: west segment Ethylene

north road, Linzi

District, Zibo, ShanDong, China

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0533-7877029 7877027- Hazards

Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

Highly flammable. Harmful if swallowed.

3 - Composition/Information on Ingredients

Product Name CAS # EC no Annex I

Index Number

isoamylene

Formula C<sub>5</sub>H<sub>10</sub>

Molecular Weight 70.14 AMU

4 - First Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

AFTER SKIN CONTACT

In case of contact, immediately wash skin with soap and copious amounts of water.

AFTER EYE CONTACT

Contamination of the eyes should be treated by immediate and prolonged irrigation with copious amounts of water. Assure adequate flushing of the eyes by separating the eyelids with fingers.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

GENERAL INFORMATION

Contamination of the eyes should be treated by immediate and prolonged irrigation with copious amounts of water.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA

地址: 山东淄博临淄区乙烯北路西段

ADD: Ethylene north road west segment Linzi District, Zibo, ShanDong

电话(Tel):+86-533-7525858 7525660 7525733

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邮编(P.C.):255410

<http://www.C5chem.com>



Suitable: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solidstreams of water may be ineffective. Cool all affected containers with flooding quantities of water.

SPECIAL RISKS

Specific Hazard(s): Flammable liquid. Emits toxic fumes under fire conditions.

Explosion Hazards: Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Forms explosive mixtures in air.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - Accidental Release Measures

PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL

Evacuate area. Shut off all sources of ignition. Use nonsparking tools.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear self-contained breathing apparatus, rubber boots, and heavy



rubber gloves.

#### METHODS FOR CLEANING UP

Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

#### 7 - Handling and Storage

##### HANDLING

Directions for Safe Handling: Do not breathe vapor. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

##### STORAGE

Conditions of Storage: Keep tightly closed. Keep away from heat, sparks, and open flame.

SPECIAL REQUIREMENTS: May develop pressure. Open carefully.

#### 8 - Exposure Controls / Personal Protection

##### ENGINEERING CONTROLS

Safety shower and eye bath. Use nonsparking tools. Mechanical exhaust required.

##### GENERAL HYGIENE MEASURES

Remove and wash contaminated clothing promptly. Wash thoroughly after handling.

##### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use respirators and components tested and ALDRICH - 379263 www..com Page 2

approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (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.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

#### 9 - Physical and Chemical Properties

Appearance Color: Colorless

Form: Clear liquid

Property Value At Temperature or Pressure

pH N/A

BP/BP Range 37.0 - 38.0 °C

MP/MP Range - 134.0 °C

Flash Point - 20.0 °C Method: closed cup

Flammability N/A

Autoignition Temp N/A

Oxidizing Properties N/A

Explosive Properties N/A

Explosion Limits Lower: 1.6 %

Upper: 8.7 %

Vapor Pressure 724 mmHg 37.8 °C

SG/Density 0.663 g/cm<sup>3</sup>

Partition Coefficient N/A

Viscosity 0.22 Pas 20 °C

Vapor Density 2.4 g/l

Saturated Vapor Conc. N/A

Evaporation Rate N/A

Bulk Density N/A

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Decomposition Temp. N/A

Solvent Content N/A

Water Content N/A

Surface Tension N/A

Conductivity N/A

Miscellaneous Data N/A

Solubility Solubility in Water: Insoluble.

Other Solvents: ETHANOL, ETHYL ETHER,  
BENZENE

10 - Stability and Reactivity

STABILITY

Stable: Stable.

Materials to Avoid: Acids, Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

11 - Toxicological Information

ACUTE TOXICITY

LD50

Oral

Rat

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ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be  
irritating to mucous membranes and upper respiratory tract.

Ingestion: Harmful if swallowed.

12 - Ecological Information

No data available.

13 - Disposal Considerations

SUBSTANCE DISPOSAL

Burn in a chemical incinerator equipped with an afterburner and  
scrubber but exert extra care in igniting as this material is  
highly flammable. Observe all federal, state, and local  
environmental regulations.

14 - Transport Information

RID/ADR

UN#: 2371

Class: 3

PG: II

Proper Shipping Name: isoamylene

IMDG

UN#: 2371

Class: 3

PG: II

Proper Shipping Name: isoamylene

Marine Pollutant: No

Severe Marine Pollutant: No

IATA

UN#: 2371

Class: 3

PG: II

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淄博联碳化学有限公司

ZIBO LIANTAN CHEMICAL CO.,LTD

Proper Shipping Name: isoamylene

Inhalation Packing Group I: No

15 - Regulatory Information

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES

INDICATION OF DANGER: F-Xn

Highly Flammable. Harmful.

R-PHRASES: 11-22

Highly flammable. Harmful if swallowed.

S-PHRASES: 45

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

COUNTRY SPECIFIC INFORMATION

GermanyWGK:

3

Self-Classification

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16 - Other Information

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Inc., shall not be held liable for any damage resulting from handling or

from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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