



杭州大阳化工有限公司

Hangzhou Dayangchem Co., Ltd.

Safety Data Sheet

No :M-7232

Section 1 - Product and Company Identification

MSDS Name: 2-Allyloxyethanol

Synonyms: Ethylene glycol allyl ether

Company Identification: Hangzhou Dayangchem Co., Ltd.

For information, call: 86-571-88938639

For information, E-mail: infores@chinadayangchem.com

Emergency Number: 86-571-88938639

For CHEMTREC assistance, call: 86-571-88938639; FAX:86-571-88938652

Section 2 - Composition, Information on Ingredients

| CAS# | Chemical Name | % | EINECS# | Hazard Symbols: | Risk Phrases: |
|----------|-------------------|------|-----------|-----------------|---------------|
| 111-45-5 | 2-Allyloxyethanol | 99.5 | 203-871-7 | Xi | R38 - R41 |

Text for R-phrases: see Section 16

Section 3 - Hazards Identification

Classification of the substance

According to Regulation (EC) No 1272/2008

No classification/Unclassified.

According to European Directive 67/548/EEC as amended

Irritating to skin. Risk of serious damage to eyes.

Label elements None

Signal word: none

Hazard symbol

Xi Irritant

R-phrases

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

S-phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39 Wear eye/face protection.

Section 4 - 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.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid immediately. Wash mouth out with water.

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

Notes to Physician: Treat symptomatically and supportively.

Section 5 - 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.

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Storage: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits:

CAS# 111-45-5:

Personal Protective Equipment

Eyes: Safety glasses with side-shields conforming to EN166

Skin: The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Clothing: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respirators: Where risk assessment shows air-purifying respirators are appropriate use a

full-face respirator with multipurpose combination (US) or type ABEK (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. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9 - Physical and Chemical Properties

Physical State: liquid

Color: colourless

Odor: Not available.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: 159 °C - lit.

Freezing/Melting Point: Not available.

Autoignition Temperature: Not available.

Flash Point: 66 °C - closed cup

Explosion Limits: Lower: Not available.

Explosion Limits Upper: Not available.

Decomposition Temperature: Not available.

Solubility in water: Not available.

Specific Gravity/Density: 0,955 g/mL at 25 °C

Molecular Formula: C5H10O2

Molecular Weight: 102,13

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon oxides

Hazardous Polymerization:

Section 11 - Toxicological Information

RTECS#: CAS# 111-45-5: KJ5425000

LD50/LC50: RTECS:

LD50 Oral - rat - 3.050 mg/kg

Carcinogenicity: 2-Allyloxyethanol - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes serious eye irritation.

Ingestion May be harmful if swallowed.

Target Organs Kidney,

Section 12 - Ecological Information

Not available.

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

IATA : Not regulated as a dangerous material.

RID/ADR: Not regulated as a dangerous material.

IMO: Not regulated as a dangerous material.

Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No 1907/2006

Section 16 - Additional Information

Text for R-phrases from Section 2

Hazard symbol

Xi Irritant

R-phrases

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

MSDS Creation Date: 19/01/2007

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