

DIALLYL ETHER1071
April 2004CAS No: 557-40-4
RTECS No: KN7525000
UN No: 23603,3'-Oxybis(1-propene)
Allyl ether
 $C_6H_{10}O / (CH_2=CHCH_2)_2O$
Molecular mass: 98.2

| TYPES OF HAZARD/ EXPOSURE | ACUTE HAZARDS/SYMPTOMS | PREVENTION | FIRST AID/FIRE FIGHTING |
|---------------------------|--|---|---|
| FIRE | Highly flammable. | NO open flames, NO sparks, and NO smoking. | Powder, alcohol-resistant foam, water spray, carbon dioxide. |
| EXPLOSION | Vapour/air mixtures are explosive. Risk of fire and explosion on contact with acid(s) or oxidants. | Closed system, ventilation, explosion-proof electrical equipment and lighting. Do NOT use compressed air for filling, discharging, or handling. Use non-sparking handtools. Prevent build-up of electrostatic charges (e.g., by grounding). | In case of fire: keep drums, etc., cool by spraying with water. |

| EXPOSURE | | | |
|-------------------|--|--|---|
| Inhalation | Cough. Drowsiness. Unconsciousness. | Ventilation, local exhaust, or breathing protection. | Fresh air, rest. Refer for medical attention. |
| Skin | Dry skin. Redness. Pain. | Protective gloves. Protective clothing. | Remove contaminated clothes. Rinse and then wash skin with water and soap. |
| Eyes | Redness. Pain. | Face shield, or eye protection in combination with breathing protection. | First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor. |
| Ingestion | Dullness. Nausea. Drowsiness. Unconsciousness. | Do not eat, drink, or smoke during work. | Rinse mouth. Refer for medical attention. |

| SPILLAGE DISPOSAL | PACKAGING & LABELLING |
|--|---|
| Ventilation. Remove all ignition sources. Collect leaking liquid in sealable containers. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Do NOT wash away into sewer. Personal protection: filter respirator for organic gases and vapours. | UN Hazard Class: 3 UN Subsidiary Risks: 6.1 UN Pack Group: II |

| EMERGENCY RESPONSE | STORAGE |
|--|---|
| Transport Emergency Card: TEC (R)-30GFT1-II. NFPA Code: H2; F3; R1. | Fireproof. Separated from acids and oxidants. See Chemical Dangers. Store only if stabilized. Cool. Keep in the dark. |

IMPORTANT DATA

Physical State; Appearance

COLOURLESS LIQUID, WITH CHARACTERISTIC ODOUR.

Physical dangers

The vapour is heavier than air and may travel along the ground; distant ignition possible. As a result of flow, agitation, etc., electrostatic charges can be generated.

Chemical dangers

The substance can form explosive peroxides. Reacts violently with acids and oxidants causing fire and explosion hazard.

Occupational exposure limits

TLV not established.
MAK not established.

Routes of exposure

The substance can be absorbed into the body by inhalation, through the skin and by ingestion.

Inhalation risk

No indication can be given about the rate in which a harmful concentration in the air is reached on evaporation of this substance at 20/C.

Effects of short-term exposure

The vapour is irritating to the eyes, the skin and the respiratory tract. The substance may cause effects on the central nervous system, resulting in lowering of consciousness.

Effects of long-term or repeated exposure

The liquid defats the skin.

PHYSICAL PROPERTIES

Boiling point: 94 /C

Melting point: -6 /C

Relative density (water = 1): 0.8

Solubility in water: none

Vapour pressure, kPa at 20/C: 5.79

Relative vapour density (air = 1): 3.4

Relative density of the vapour/air-mixture at 20/C (air = 1): 1.1

Flash point: -6 /C

Octanol/water partition coefficient as log Pow: 0.7 (calculated)

ENVIRONMENTAL DATA

NOTES

Check for peroxides prior to distillation; eliminate if found.

The relation between odour and the occupational exposure limit cannot be indicated.

Environmental effects from the substance have not been investigated.

An added stabilizer or inhibitor can influence the toxicological properties of this substance, consult an expert.

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible