INGREDIENTS

IDENTITY | CAS NO. | % | TLV | OSHA PEL
---|---|---|---|---
6-AZIDOSULFONYLHEXYLTRIETHOXYSILANE | 96550-26-4 | >90 | not established | not established
ETHANOL | 64-17-5 | <1 | 1000ppm | 1000ppm

PHYSICAL DATA

Boiling Point: not determined
Freezing Point: not determined
Specific Gravity: not determined
Vapor Pressure: not determined
Vapor Density: N/A
Solubility in water: reacts
% volatiles: N/A
Molecular Weight: 353.71
Appearance & Color: Clear to straw liquid with mild odor.

FIRE & EXPLOSION DATA

Flash Point, COC: 114
Autoignition Temp.: N/A
Flammability Limits- LEL: N/A UEL: N/A
Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.
Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

ENVIRONMENTAL INFORMATION

Spill response: May be hazardous to aquatic life if released to open waters. Cover spill with absorbent material. Transfer to a suitable container for disposal.
Recommended (General): May be instrumental. Additionally, absorb into clay or vermiculite and dispose of absorbent material as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Vapors may cause immediate or delayed severe eye irritation. Liquid can cause severe conjunctivitis and normal damage.
Skin contact: May produce irritation or contact dermatitis which may be delayed several hours. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.
Inhalation: Inhalation of vapors or particulates of may irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.
Oral Toxicity - rat, LD50: >5000mg/kg - estimate
Chronic Toxicity: A four hour inhalation study, with rats exposed to 0.6mg/L, exhibited no adverse effects.

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.
SKIN: Flush with water, then wash with soap and water.
INHALATION: Move exposed individual to fresh air. Call a physician.
INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

REACTIVITY DATA

Stability: Stable in sealed containers stored below 35°C. May slowly build nitrogen pressure.
Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame.
Incompatibility (materials to avoid): May form explosive azides on contact with copper, cadmium, brass, bronze, lead, silver and mercury. Reacts with water and moisture in air (forming sodium). Avoid contact with peroxides, oxidizing agents, alcohols, acids, amine.
Hazardous decomposition products: Organic Acid Vapors.

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is recommended. Mechanical is recommended.
Respiratory Protection: If exposure exceeds TLV, wear supplied air or combination respiratory protection gear.
Eye and Face Protection: Chemical splash goggles. Do not wear contact lenses.
Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS

For research and industrial use only.
Storage and Handling: Store in sealed containers below 35°C. Vent containers slowly while grounded.

TRANSPORTATION

DOT SHIPPER NAME: COMBUSTIBLE LIQUID, NOI
DOT NO.: 2
DOT RISK: Not Regulated
DOT LABEL: Not Required
DOT II No.: Not Required
Prepared by safety and environmental affairs

SUPERSEDES: NONE

The information contained in this document has been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not guaranteed or guaranteed that the hazard predictions or procedures described are the only ones which exist. Gelest, Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefor.