

Material Safety Data Sheet (MSDS)

INSULATING CERAMIC SEALER COATING

1- Chemical Product and Company Identification

Manufactured By: Samz Chemical Industries (Pakistan & UAE)

Product: **isothane**



Revised: 08/07/2015

Chemical Family/Use: Insulating Ceramic Sealer Coating

Formula: Mixture

Packing: 15 Kg

Color: White

2- Physical/Chemical Characteristics

APPEARANCE: COLORED LIQUID.

WEIGHT = 11.7 POUNDS PER GALLON

BOILING POINT: 100°C (212°F).

SPECIFIC GRAVITY: 1.4 (H₂O = 1.0).

VAPOR DENSITY: Lighter than 1.0.

EVAPORATIVE RATE: Slower than Ether.

PERCENT VOLATILE: (by volume) = 41.2%

3- Fire & Explosive Hazard Data

FLAMMABILITY CLASSIFICATION:

DOT – NOT REGULATED

FLASH POINT – N/A

LEL – N/A

EXTINGUISHING MEDIA: CO₂, Water Fog.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Material can splatter above 212°F.

Polymer film can burn.

SPECIAL FIRE FIGHTING PROCEDURES:

For fires with this material, do not enter any enclosed or confined fire space without proper protective Equipment, including self-contained breathing apparatus, to protect against the hazardous effects of normal products of combustion

4- Reactivity Data

STABILITY: Stable (slight ammonia odor).

CONDITIONS TO AVOID: KEEP FROM FREEZING.

INCOMPATIBILITY (Materials to Avoid): None reasonably foreseeable.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION OF BY PRODUCTS: Will not occur.

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5- Health Hazard Data

EFFECTS OF OVEREXPOSURE:

INHALATION: Inhaled mist can cause headaches, nausea or irritation of the nose, throat and lungs.

EYE CONTACT: Slightly irritating to eyes.

SKIN EXPOSURE: Irritating to skin upon prolonged or repeated contact.

EMERGENCY & FIRST AID PROCEEDURES: For inhalation, move subject to fresh air. For eye Contact, flush with large amounts of water for at least 15 minutes. See a physician if irritation persists. Wash effected skin area with soap and water. If swallowed, dilute by giving subject 2 glasses of water to drink and CALL A PHYSICIAN IMMEDIATELY. Never give anything by mouth to an unconscious subject.

OTHER PRECAUTIONS: KEEP CONTAINERS TIGHTLY CLOSED. DO NOT TAKE INTERNALLY. KEEP AWAY FROM CHILDREN.

6- Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Keep spectators away. Wear skin, eye and respiratory protection during cleanup. Dike and contain with inert absorbent materials (sand, earth, etc.). Transfer to containers for recovery or disposal. Floors may be slippery, use care to Avoid Falls. Flush final traces with water. Keep spills and run-off materials out of municipal sewers or open bodies of water.

WASTE DISPOSAL METHOD: Disposal should be in accordance with Federal, State and local regulations for water-based coatings. Coagulate the emulsion by the stepwise addition of ferric chloride and time. Incinerate the solids and contaminated dirking materials at a permitted facility, according to Federal, State and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP FROM FREEZING.

7- Control Measures

VENTILATION: GENERAL VENTILATION IS RECOMMENDED DURING NORMAL USE. LOCAL VENTILATION MAY BE REQUIRED DURING CERTAIN OPERATIONS TO PREVENT INHALATION OIF VAPORS.

RESPIRATORY PROTECTION: Wear respirator (MSHA or NIOSH Approved or equal) ORGANIC VAPOR/PARTICULATE RESPIRATOR. In case of poor ventilation or exposure to spray mist, use NIOSH Approved Organic Vapor Mask.

PROTECTIVE GLOVES: IMPERVIOUS GLOVES FOR PROLONGED OR REPEATED CONTACT.

EYE PROTECTION: NONE REQUIRED. AT THE DISCRETION OF THE APPLICATOR CHEMICAL SPLASH GOGGLES (ANSI 2-87.1) or EQUIVALENT MAY BE WORN.

OTHER PROTECTIVE EQUIPMENT AND MEASURES: UNHINDERED ACCESS TO EYE WASH STATION. AS A GENERAL HYGIENIC PRACTICE, WASH HANDS AND FACE AFTER USE. Showers and cleaning of clothes are recommended. Use approved protective clothing when working around asbestos or lead.

8- Regulatory Information

DOT PROPER SHIPPING NAME: NOT REGULATED.

Follow all applicable OSHA and EPA Regulations concerning normal latex spraying activities.

9- Disposal Considerations

DISPOSAL METHOD

Disposal should be made in accordance with federal, state and local regulations.

10- Transport Information

Further Information: This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.