

Material Safety Data Sheet (MSDS)

ELASTOMERIC WATERPROOF COATING

1. Chemical Product and Company Identification

Manufactured By: Samz Chemical Industries (Pakistan & UAE)

Product: **ROOFLEX**



Revised: 17/11/2015

Chemical Family/Use: Elastomeric Waterproof Coating

Formula: Mixture

Packing: 15 Kg

Color: White

HMIS

Flammability: 1 Reactivity: 0 Health: 1

NFPA

Flammability: 1 Reactivity: 0 Health: 1

2. Hazards Identification

EMERGENCY OVERVIEW

WARNING! CANCER HAZARD BY INHALATION. May be harmful if swallowed, inhaled or absorbed through skin. Irritating to eyes, respiratory system and skin. May cause allergic skin reaction. May cause adverse liver, kidney, and CNS effects. Adverse reproductive effects reported in animals.

Form: Liquid Color: White Odor: acrylic

POTENTIAL HEALTH EFFECTS INGESTION

May be harmful if swallowed. Irritation of the mouth, throat, and stomach. May cause headache, dizziness, nausea, vomiting, gastrointestinal irritation and central nervous system depression. Liver and kidney injuries may occur. May effect the blood and blood system. May cause reproductive effects based on results of animal studies.

SKIN

May be absorbed through skin and produce effects as listed under "Ingestion". Can cause irritation and reddening of the skin. Repeated or prolonged exposure may cause dermatitis (inflammation and rash). May cause allergic skin reaction.

INHALATION

May be harmful if inhaled. Can irritate mucous membranes and respiratory tract with coughing and shortness of breath. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Exposure to high concentrations of respirable crystalline silica may cause physical discomfort of the upper respiratory tract.

EYES

Contact can cause severe irritation and conjunctivitis (redness and swelling).

MEDICAL CONDITIONS AGGRAVATED

Central nervous system disorders. Preexisting skin or respiratory diseases. Kidney disorders Liver disorders. Allergy

SUBCHRONIC (TARGET ORGAN)

Respiratory system; Kidney; Central nervous system; Blood; Liver

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CHRONIC EFFECTS / CARCINOGENICITY

This product or one of its ingredients present at 0.1% or more is listed as a carcinogen or potential carcinogen by NTP, IARC or OSHA X Yes ___ No This product contains greater than 0.1% crystalline silica. The International Agency for Research on Cancer (IARC) previously determined there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals and limited evidence of carcinogenicity in humans. In a recent reevaluation of crystalline silica by IARC, it was determined that there is sufficient evidence for the carcinogenicity of inhaled crystalline silica in the forms of Quartz and Cristobalite in humans. The overall evaluation for these two forms of silica is elevated to known human carcinogen (IARC class I).

ROUTES OF EXPOSURE

Inhalation; Dermal

3. First Aid Measures

INGESTION

Immediate medical attention is required. Do NOT induce vomiting. If victim is conscious, give 2-4 glasses of water

SKIN

Wash off with soap and water. Remove and wash contaminated clothing before reuse. Get medical attention if irritation or symptoms from Section 3 develop. Flush skin with large amounts of water for at least 15 minutes until no evidence of chemical remains.

INHALATION

Get medical attention if irritation or symptoms from Section 3 develop. If not breathing, begin artificial respiration using a barrier device. Because of chemical properties, do not use mouth-to-mouth contact. Remove to fresh air.

EYES

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN

This product contains ethylene glycol. Treatment should be directed at the control of the symptoms of ethylene glycol poisoning.

4. Fire-Fighting Measures

FLASH POINT: > 93.3 °C; 200 °F

METHOD: estimated

IGNITION TEMPERATURE: Not applicable

FLAMMABLE LIMITS IN AIR LOWER (%): Not applicable

FLAMMABLE LIMITS IN AIR UPPER (%): Not applicable

SENSITIVITY TO MECHANICAL IMPACT: No

SENSITIVITY TO STATIC DISCHARGE

Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA

All standard extinguishing agents are suitable.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained Breathing apparatus with full face mask and full protective clothing.

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5. Accidental Release Measures

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section. Keep out of water supplies and sewers.

6. Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid contact with skin and eyes. Remove and wash contaminated clothing before reuse. Keep away from children. Keep container tightly closed. Keep container dry. Do not inhale vapors. Avoid accidental ingestion of this material. Wash hands and face before eating, drinking, smoking, using toilet facilities, or applying cosmetics.

STORAGE

Store between 40 F and 120 F.

7. Exposure Control / Personal Protection

ENGINEERING CONTROLS

Eyewash stations; Showers

RESPIRATORY PROTECTION

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for no routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

PROTECTIVE GLOVES

Neoprene

EYE AND FACE PROTECTION

Safety glasses with side shields; Monogoggles.

OTHER PROTECTIVE EQUIPMENT

Wear suitable protective clothing and eye/face protection.

8. Physical and Chemical Properties

BOILING POINT C & F:	100.00 °C; 212 °F
VAPOR PRESSURE (20 C) (MM HG):	Unknown
VAPOR DENSITY (AIR=1):	> 1
FREEZING POINT:	Unknown
MELTING POINT:	Unknown
PHYSICAL STATE:	Liquid
ODOR:	acrylic
COLOR:	White
EVAPORATION RATE (BUTYL ACETATE=1):	< 1
SPECIFIC GRAVITY (WATER=1):	Unknown
DENSITY:	Unknown
ACID / ALKALINITY (MEQ/G):	Unknown
pH:	8.5 8.9
VOLATILE ORGANIC CONTENT (VOL):	17.40 % (m)
SOLUBILITY IN WATER (20 C):	Unknown
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT)	Unknown
VOC EXCL. H2O & EXEMPTS (G/L):	47.50

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9. Stability and Reactivity

STABILITY

Stable

HAZARDOUS POLYMERIZATION

Will not occur

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Carbon dioxide (CO₂); Formaldehyde; Carbon monoxide; Oxides of nitrogen; Acrylic monomers

INCOMPATIBILITY (MATERIALS TO AVOID)

None known.

CONDITIONS TO AVOID

None known.

ACUTE ORAL

Remarks: NONE FOUND

ACUTE DERMAL

No data available;

ACUTE INHALATION

Remarks: NONE FOUND

OTHER

None.

SENSITIZATION

No data available

SKIN IRRITATION

No data available

EYE IRRITATION

No data available

MUTAGENICITY

Unknown

OTHER EFFECTS OF OVEREXPOSURE

Repeated or prolonged overexposure to glycol ethers may cause blood changes and liver and kidney damage.

10. Ecological Information

ECOTOXICITY

No data available

DISTRIBUTION

No data available

CHEMICAL FATE

No data available

11. Disposal Considerations

DISPOSAL METHOD

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

12. 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.