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(MSDS) MATERIAL SAFETY DATA SHEET

ROOF-GUARD 102™ Roof Sealant

SECTION I - IDENTITY

Common Name Used on Label: ENVIROSEAL ROOF- GUARD 101 shingle Sealer
Chemical Name / Chemical Family: Polymeric Proprietary Inorganic Acrylic Co-Polymers
Transportation Classification: Item No. 178120 / Class 55
Int'l Harmonization Code: Sch., "B" / No. 2609.09009

SECTION II - HAZARDOUS INGREDIENTS

| Principal Hazardous Components | % | TLV (UNITS) | PRODUCT CAS No. |
|--------------------------------|-------|------------------|-----------------|
| Proprietary Co-Polymer: | 17-23 | None Established | Non Hazardous |
| Individual Residual Monomers | 1.7 | None Established | Not Required |
| Aqua Ammonia | <0.1 | | 1336-21-6 |
| Micro Biostatic Agent | <.06 | | 50-00-0 |
| Water: | 72-79 | | 7732-18-5 |

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

pH: 8 +/-
Boiling Point: greater than 100 c / 212 f
Melting Point: -3c
Specific Gravity: 1.0405
Vapor Pressure: (mm Hg) 17.mm Hg @ 20^o C/68f Water
Vapor Density (air=1): < 1
Evaporation Rate: (Bac=1): < 1 Water
Appearance: white
State: Liquid
Solubility in Water: Complete

SECTION IV - FIRE AND EXPLOSION DATA

Reactivity in Water: None
NFPA Code: 000
Flash Point: None, will not burn
Extinguisher Media: Determined by surrounding materials, CO2, Foam, Dry Powder, water, spray or fog.
Special Fire Fighting Procedures: None
Flammable Limits: (in air % by volume): Not applicable
Auto Ignition Temperature: None
Unusual Fire and Explosion Hazards: Material can splatter above 212/ 100c, Polymer film can burn

SECTION V - PHYSICAL HAZARDS

Stability: Stable
Conditions to Avoid: Heat in excess of 100c / 212f, and temperatures below --1c / 30f
Incompatibility: Oxidizers or Oxidizing Materials Hazardous Thermal Decompression From Fire Smoke, Carbon Dioxide, Products: and Carbon Monoxide
Hazardous Polymerization: Will Not Occur
Conditions to Avoid: None

SECTION VI - HEALTH HAZARDS

Threshold Limit Value: None Established
Effects of Overexposure: None Established
Toxicity Information: Non Toxic
OSHA Permissible Exposure Limit: None
ACGIH Threshold Limit Value: None
Other Exposure Limit Used: None Required
Carcinogenicity: N.T.P., **Not Established.**
Arc Monographs, **Not Established**
OSHA Regulated: **No**

REACTIVITY INFORMATION

Instability: This material is considered stable. However, avoid temperatures above 177C/350F, (the onset of polymer decomposition). Thermal decomposition is dependent on time and temperature.

Hazardous Decomposition products: Thermal decomposition may yield acrylic monomers.

Hazardous Polymerization: Product will not undergo polymerization.

Incompatibility: There are no known materials which are incompatible with this product.

HEALTH EFFECTS FROM OVER EXPOSURE

Primary Routes of Exposure:

Inhalation:

Inhalation - Eye Contact - Skin Contact

inhalation of vapor or mist can cause the following: - headache - nausea - Irritation of nose throat and lungs
Direct contact with material can cause a slight irritation
Prolonged or repeated skin contact can cause a slight skin Irritation

Eye Contact

Skin Contact

TOXICITY INFORMATION

Acute Data: The Information shown in the HEALTH EFFECTS FROM OVEREXPOSURE Section is based on the toxicity profiles for a number of acrylic emulsions that are compositionally similar to this product Typical data are:

Oral LD50 - rat : >5000 mg/kg
Dermal LD50 - rabbit : >5000 mg/kg
Skin irritation - rabbit: practically non-irritating
Eye irritation - rabbit : Inconsequential irritation

SECTION VII - EMERGENCY FIRST AID PROCEDURES¹

Eye Contact:

Wash affected area with copious amount of fresh water for about 15 minutes. If irritation occurs, call physician.

Ingestion:

if swallowed, give 2 glasses of fresh water to drink, consult a physician. Never give anything by mouth to an unconscious person..

Skin Contact:

Wash affected area with large amounts of soap and water.

Inhalation:

Move patient to fresh air.

SECTION VIII - SPECIAL PROTECTION INFORMATION

NOTE: Safe handling of any chemical is always recommended, the following procedures are recommended for this product as well.

Respiratory Protection: ANSI/NIOSH Approved Respirator for spray applications

Ventilation: Fresh Air

Protective Gloves: Rubber, may be cleaned by washing off with mild soap & water

Eye Protection: Splash goggles; see section VII for skin / ingestion information

Other Protective

Clothing or Equipment:

Rinse product out of standard work clothes with water, alternatively use rubber apron or plastic suit.

SECTION IX - SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES

Precautions to be taken in Handling: Keep containers tightly capped
Precautions to be taken in Storage: Keep at moderate temperature above 40F, avoid direct sunlight
In Case of Accidental Spillage: Flush spill area with plenty of water. Follow local State and Federal guidelines for accidental spillage.

WASTE DISPOSAL PROCEDURE

Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids In accordance with local, state, and Federal regulations.

ADDITIONAL INFORMATION

US DOT SHIPPING NAME:ENVIROSEAL ROOF-GUARD 101™

MSDS

NON-REGULATED

Packaging Size:

275 gallon IBC Tote (1040 Liters)

55 Gallon Drum (210 liter),

5-Gallon Pails (19 Liters)

DO NOT FREEZE WHEN IN LIQUID STATE

The information contained herein relates only to the specific material identified Enviroseal believes that such information is accurate and reliable as of the date on this **Material Safety Data Sheet**. But representation, guarantee or warranty, express or implied. Is made as to the accuracy, reliability. Or completeness of the information, Enviroseal urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application

Thomas Stevens, President

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