

ECCOSHIELD VY-81

MSDS Number

BXNHP

National Stock Number

8040-00F041234

Product Name

ECCOSHIELD VY-81

Manufacturer

EMERSON AND CUMING SPECIALTY POLYMER

Product Identification

Product ID: ECCOSHIELD VY-81

MSDS Date: 10/21/1987

FSC: 8040

NIIN: 00F041234

Status Code: A

MSDS Number: BXNHP

Responsible Party

EMERSON & CUMING SPECIALTY POLYMER

55 HAYDEN AVE

LEXINGTON, MA 02173-5000

US

Emergency Phone: 617-935-4850/617-402-9100

Info Phone: 617-861-6600/800-225-9936

Cage: DO244

Contractor

GRACE W R & CO EMERSON & CUMING DEWEY & ALMY CHEM

CANTON, MA 02021-2513

US

617-935-4850

Cage: 04552

Ingredients

SILICONE RESIN

MINERAL FILLER

SILVER *97-2*

CAS: 7440-22-4

RTECS: VW3500000

Fraction By Weight:

OSHA PEL0.01 MG/CUM

ACGIH TLV: 0.1 MG/CUM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

XYLENE, DIMETHYLBENZENE, XYLOL (IARC - GROUP 3) *97-2*

CAS: 1330-20-7

RTECS: ZE2100000

Fraction By Weight: 20-25%

OSHA PEL100 PPM

ACGIH TLV: 100 PPM, SKIN

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: INHALATION: VAPORS IRRITATING TO RESPIRATORY TRACT & MAY EXERT NARCOTIC/ANESTHETIC EFFECT. EYES: MAY BE IRRITATING UPON DIRECT CONTACT. HARMFUL IF SWALLOWED. OVEREXPOSURE/PROLONGED CONTACT W/SILVER COMPOUNDS MAY LEAD TO ABSORPTION & DISCOLORATION OF THE SKIN.
Explanation of Carcinogenicity: NONE
Effects of Overexposure: IRRITATION, NARCOSIS, DISCOLORATION OF THE SKIN

First Aid

First Aid: INHALATION: REMOVE TO FRESH AIR. EYES: IMMEDIATELY FLUSH W/WATER FOR 15 MINS. SKIN: WASH W/WATER. INGESTION: DILUTE W/LARGE QUANTITIES OF WATER. INDUCE VOMITING ONLY IF CONSCIOUS & ALERT. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Fire Fighting

Flash Point Method: TCC
Flash Point: 81F XYLENE
Lower Limits: 1
Upper Limits: 7 (XYLENE)
Extinguishing Media: CO₂, DRY CHEMICAL, FOAM, WATER FOG
Fire Fighting Procedures: WEAR SELF CONTAINED BREATHING APPARATUS. COOL CONTAINERS W/WATER IF LARGE QUANTITIES OF MATERIAL ARE INVOLVED, EVACUATE AREA & FIGHT FIRE FROM A SAFE DISTANCE.
Unusual Fire/Explosion Hazard: TOXIC FUMES MAY BE EVOLVED UPON EXPOSURE TO HEAT/SPARKS/OPEN FLAME. TREAT AS FLAMMABLE MATERIAL.

Accidental Release

Spill Release Procedures: SMALL: VENTILATE AREA TO EVACUATE FUMES. EXTINGUISH IGNITION SOURCES. WIPE UP/ABSORB W/VERMICULITE/OTHER ABSORBENT. SCRUB AREA W/SOAPY WATER & RINSE. LARGE: CUT OFF ELECTRIC POWER TO AREA. EXTINGUISH IGNITION SOURCES. VENTILATE/EVACUATE FUMES. (SUPP

Handling

Handling and Storage Precautions: STORE IN COOL, DRY PLACE. KEEP FROM ANY IGNITION SOURCES. LARGE CONTAINERS MUST BE KEPT GROUNDED AT ALL TIMES. USE ONLY W/ADEQUATE VENTILATION.
Other Precautions: AVOID SKIN & EYE CONTACT. AVOID BREATHING VAPORS.

Exposure Controls

Respiratory Protection: A NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS SHOULD BE USED IN THE ABSENCE OF MECHANICAL (GENERAL) VENTILATION WHEN WORKING W/LARGE QUANTITIES OF MATERIAL.
Ventilation: EXPLOSION PROOF VENTILATION EQUIPMENT FOR LOCAL VENTILATION. FLEXIBLE DUCTWORK TO PREVENT LOCAL BUILDUP OF VAPOR.
Protective Gloves: REQUIRED
Eye Protection: REQUIRED
Other Protective Equipment: PROTECTIVE CLOTHING
Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE

REUSE.

Supplemental Safety and Health

SPILL PROC CONT'D: LARGE-DIKE AREA TO PREVENT SPREADING. EXTINGUISH IGNITION SOURCES. CUT OFF ELECTRIC POWER TO AREA. SHOVEL/PUMP TO DRUM/SALVAGE TANK. ABSORB RESIDUAL MATERIAL W/SAND, VERMICULITE/OTHER ABSORBENT. SCRAPE/SHOVEL ABSORBED WASTE & ABSORBENT INTO CONTAINERS. SCRUB AREA W/SOAP WATER & RINSE.

Chemical Properties

Vapor Pres:2

Vapor Density:>1

Spec Gravity:1.65

Solubility in Water:Appearance and Odor:SILVER PASTE

Percent Volatiles by Volume:

Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, ACIDS

Stability Condition to Avoid:STATIC ELECTRICITY, HEAT, SPARKS, OPEN FLAMES & OTHER IGNITION SOURCES

Hazardous Decomposition Products:CO, CO₂, SILICON DIOXIDE, HYDROCARBONS

Conditions to Avoid Polymerization:STORAGE IN OPEN CONTAINERS, EXPOSURE TO HEAT/OPEN FLAME & EXPOSURE TO INCOMPATIBLE SUBSTANCES.

Disposal

Waste Disposal Methods:DISPOSE OF AS FLAMMABLE MATERIAL IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

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