

#552 MARINE POLYESTER RESIN

MSDS Number

BHBVD

National Stock Number

8040-01-091-3748

Product Name

#552 MARINE POLYESTER RESIN

Manufacturer

FIBRE GLASS EVERCOAT CO INC

Product Identification

Product ID: #552 MARINE POLYESTER RESIN

MSDS Date: 08/08/1988

FSC: 8040

NIIN: 01-091-3748

Kit Part: Y

MSDS Number: BHBVD

Responsible Party

FIBRE GLASS-EVERCOAT CO., INC.

6600 CORNELL ROAD

CINCINNATI, OH 45242-2033

US

Emergency Phone: 800-543-4530

Info Phone: 513-489-7600

Cage: 18731

Contractor

FIBRE GLASS-EVERCOAT CO INC

CINCINNATI, OH 45242

US

513-489-7600

Cage: 18731

Ingredients

STYRENE, MONOMER (SARA III)

CAS: 100-42-5

RTECS: WL3675000

Fraction By Weight:

OSHA PEL100 PPM

ACGIH TLV: S, 50PPM/100STEL; 9293

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

UNSATURATED POLYESTER RESIN

Fraction By Weight: >60%

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 5000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO
Health Hazards Acute and Chronic:INHALATION: ACUTE: IRRITATION TO RESPIRATORY TRACT. CHRONIC: MAY CAUSE LIVER AND KIDNEY DAMAGE. VAPOR OR MISTS ARE EXTREMELY IRRITATING TO EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. INGESTION : MAY BE HARMFUL. SKIN: ACUTE: MAY BE ABSORBED THROUGH THE SKIN IN TOXIC AMOUNTS. CHRONIC: MAY CAUSE DERMITIS.

Explanation of Carcinogenicity:IARC HAS CLASSIFIED STYRENE AS A POSSIBLE HUMAN CARCINOGEN (CLASS 2-B). THIS IS BASED ON NEW CLASSIFICATION SCHEME.

Effects of Overexposure:MAY CAUSE NAUSEA, HEADACHE AND VOMITING; CNS DEPRESSION; DERMATITIS. EYE, SKIN & RESPIRATORY TRACT IRRITATION.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN, KIDNEY OR LIVER DISORDERS MAY BE AT INCREASED RISK WHEN USING THIS MATERIAL.

First Aid

First Aid:INHALED: REMOVE TO FRESH AIR. GIVE CPR IF NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH EYES WITH LOTS OF WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN: FLUSH SK IN WITH LOTS OF WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING & SHOES. GET IMMEDIATE MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.

Fire Fighting

Flash Point Method:CC

Flash Point:89.0F,31.7C

Autoignition Temp:Autoignition Temp Text:914F

Lower Limits:1.1

Upper Limits:6.1

Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL. WATERR MAY BE INEFFECTIVE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:AT ELEVATED TEMPERATURES, SUCH AS IN FIRE CONDITIONS, POLYMERIZATION MAY TAKE PLACE. IF IN CONTAINER, THERE IS POSSIBILITY OF VIOLENT RUPTURE OF THE CONTAINER.

Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT (RUBBER BOOTS, GLOVES & APRON). WEAR NIOSH APPROVED SCBA. SHUT OFF ALL SOURCES OF IGNITION. EVACUATE AREA. COVER WITH ACTIVATED CARBON ADSORBENT & TAKE UP & PLACE IN CLOSED C ONTAINER. VENTILATE AREA & WASH SPILL SITE.

Neutralizing Agent:SMALL QUANTITIES CAN BE REACTED WITH THE APPROPRIATE HARDENER TO SOLIDIFY.

Handling

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, AND FLAMES. STORE BELOW 100 DEG F IN A DRY, WELL-VENTILATED AREA AWAY FROM LIGHT. KEEP ORGINAL CONTAINERS TIGHTLY CLOSED.

Other Precautions:ELECTRICALLY GROUND ALL EQUIPMENT WHEN HANDLING PRODUCT AND USE ONLY NON-SPARKING TOOLS. DO NOT USE PRESSURE TO EMPTY CONTAINER. DO NOT CUT, GRIND, OR WELD IN AREA.

Exposure Controls

Respiratory Protection:WEAR A NIOSH-APPROVED RESPIRATOR APPROPRIATE FOR EMISSION LEVELS. AN APPROPRIATE RESPIRATOR IS THE CARTRIDGE EQUIPPED FOR ORGANIC VAPORS/MISTS AND A DUST MASK WHEN SANDING CURED PRODUCT.

Ventilation:LOCAL MECHANICAL EXHAUST VENTILATION CAPABLE OF MAINTAINING EMISSIONS AT THE POINT OF USE BELOW THE TLV.

Protective Gloves:PVA OR VITON GLOVES RECOMMENDED.

Eye Protection:CHEMICAL GOGGLES AND FULL FACESHIELD.

Other Protective Equipment: LONG-SLEEVED SHIRT, TROUSERS, WORK BOOTS, APRON, EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

"EMPTY" CONTAINERS WILL RETAIN PRODUCT RESIDUE AND VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.

CHECK WEEKLY TO DETERMINE INHIBITOR AND POLYMER CONTENT IF THE MATERIAL IS BEING STORED FOR ANY PERIOD OF TIME IN EXCESS OF 30 DAYS AT 90 DEG F. KEEP FROM OXIDIZING MATERIALS. KIT.

Chemical Properties

HCC:F3

Boiling Pt: B.P. Text: 295F, 146C

Decomp Temp: Decomp Text: ELEVATED

Vapor Pres: 4.3

Vapor Density: > 1

Spec Gravity: 1.1

Evaporation Rate & Reference: Solubility in Water: NEGLIGIBLE

Appearance and Odor: CLEAR, COLORLESS LIQUID; AROMATIC ODOR

Percent Volatiles by Volume: 40

Stability

Stability Indicator/Materials to Avoid: YES

STRONG ACIDS AND OXIDIZING AGENTS.

Stability Condition to Avoid: HIGH TEMPERATURES, SPARKS, OPEN FLAMES AND DIRECT SUNLIGHT.

Hazardous Decomposition Products: UNINHIBITED VAPORS MAY FORM POLYMERS.

Conditions to Avoid Polymerization: ELEVATED TEMPERATURES, SUCH AS IN FIRE CONDITIONS.

Disposal

Waste Disposal Methods: DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. NOTE: EMPTY CONTAINERS CAN HAVE RESIDUES SUBJECT TO PROPER WASTE DISPOSAL.

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