

POLYESTER DIV.-MARCO,W.R. GRACE AND CO. -- GR-941 -- 8040-00-633-8373

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Product Identification  
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Product ID:GR-941

MSDS Date:01/01/1985

FSC:8040

NIIN:00-633-8373

MSDS Number: BFJNW

=== Responsible Party ===

Company Name:POLYESTER DIV.-MARCO,W.R. GRACE AND CO.

Emergency Phone Num:201-862-5600

CAGE:76172

=== Contractor Identification ===

Company Name:MILITARY SPECIFICATIONS PROMULGATED BY MILITARY

Address:DEPTS/AGENCIES UNDER AUTH OF DEF STD

Box:MANUAL

City:4120 3-M

Phone:804-279-4371 DSN 695-4371

CAGE:81349

Company Name:POLYESTER DIV.-MARCO,W.R. GRACE & CO.

CAGE:76172

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Composition/Information on Ingredients  
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Ingred Name:POLYESTER RESIN

Ingred Name:VEHICLE

Fraction by Wt: 35%

ACGIH TLV:100PPM

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Hazards Identification  
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Effects of Overexposure:IRRITATING TO ALL PARTS OF RESPIRATORY TRACT.BOTH LIQUID STYRENE AND VAPOR CAN BE EXTREMELY IRRITATING

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First Aid Measures  
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First Aid:INHALATION:MOVE SUBJECT TO FRESH AIR,KEEP WARM,GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS REQUIRED.SKIN CONTACT:WASH WITH SOAP AND WATER.EYES:FLUSH PROMPTLY WITH COMPIOUS AMOUNTS OF WATER FOR 15 MINUTES AND CONSULTS PHYS.INGESTION:CONSULT PHYSICIAN PROMPTLY

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Fire Fighting Measures  
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Flash Point:PMCC 90F 32.1 C

Lower Limits:1.1

Upper Limits:6.1

Extinguishing Media:DRY POWDER,FOAM,CARBON DIOXIDE

Fire Fighting Procedures:EXTINGUISH FLAME FROM PERIMETER INWARD TOWARD  
MAIN BODY OF

Unusual Fire/Explosion Hazard:POLYESTERS UNDERGO EXOTHERMIC  
POLYMERIZATION.IF A CLOSED DRUM IS CAUGHT IN A FIRE VIOLENT RUP

===== Accidental Release Measures =====

Spill Release Procedures:REMOVE SATURATED CLOTHES AND WASH AFFECTED  
AREAS WITH SOAP AND WATER.REMOVE SOURCES OF IGNITION(FLAMES,HOT  
SURFA

CES,ELECTRICAL STATIC,FRICITIONAL SPARKS).VENTILATED AREA.USE  
MEASURES OUTLINED IN SECTIO N VIII. ABSORB WITH INERT  
MATERIAL(E.G.VERMICULIT

===== Handling and Storage =====

Handling and Storage Precautions:STORE AND HANDLE AS NATIONAL FIRE  
PROTECTIVE ASSOC,CLASS I-C FLAMMABLE LIQUID.STORE BELOW 27C(80 F)  
IN A CLOSED CONTAINER AND DRY AREA TO AVOID SPOIL

Other Precautions:IN BULK STORAGE,CHECK VENTS AND FLAME ARRESTORS FOR  
PLUGGING BY THE FO  
RMATION OF POLYMER.GROUND ALL  
CONNECTIONS,ETC.WHEN USING.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:UP TO 100PPM AND ABOVE-SELF-CONTAINED APPARATUS

Ventilation:YES-TO COMPLY TO SEC. II AND IV USE EXPLOSION-PROOF MOTORS.

Protective Gloves:NEOPRENE OR MON

Eye Protection:SAFETY GLASSES TO PROTECT

Other Protective Equipment:PROTECTIVE CLOTHING TO MINIMIZE SKIN  
CONTACT.SAFETY SHOWERS

Supplemental Safety and Health

IRRITATING TO ALL PARTS OF R

ESPIRATORY TRACT.BOTH LIQUID STYRENE AND

VAPOR CAN BE EXTREMELY IRRITATING TO EYES.LIQUID CONTACT WITH SKIN  
MAY CAUSE MODERATE IRRITATION.

===== Physical/Chemical Properties =====

HCC:F4

Boiling Pt:B.P. Text:>150 F

Vapor Pres:5.2

Vapor Density:3.6

Spec Gravity:1.1

Evaporation Rate & Reference:VISCOUS LIQUID WIT

Solubility in Water:INSOLUBLE

Appearance and Odor:H SHARP ODOR (STYRENE)

Percent Volatiles by Volume:35

===== Stability and Reactiv

ity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG ACIDS, PEROXIDES AND OTHER OXIDIZING AGENTS.

Stability Condition to Avoid: SUNLIGHT, OPEN FLAMES, CONTAMINATION AND PROLONGED STORAGE ABO

Hazardous Decomposition Products: CARBON MONOXIDE AND DIOXIDE, LOW MOLECULAR WEIGHT HYDROCARBON

Conditions to Avoid Polymerization: SUNLIGHT, OPEN FLAMES, CONTAMINATION AND PROLONGED STORAGE AB

===== Disposal Considerations =====

Waste Disposal

Methods: RESIN MIXED WITH PEROXIDE INITIATORS BEFORE

SPILL, SHOULD BE MIXED WITH INERT FILLER AND REMOVE TO OPEN AREA. ALLOW TIME TO GEL CURE. USE SANITARY LANDFILL OR

INCINERATION. DO NOT INCINERATE CLOSED CONTAINERS. DISPOSAL MUST BE CARRIED OUT IN ACCORDANCE.

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