

Name: UNSATURATED POLYESTER RESIN

% Text: <50

Environmental Wt:

OSHA PEL:

Other REC Limits: N/K

NOT APPLICABLE

Code: M OSHA STEL: Code:

ACGIH TLV: NOT APPLICABLE

Code: M ACGIH N/P STEL: Code:

EPA Rpt Qty:

DOT Rpt Qty:

Ozone Depleting Chemical:

Cas: 100-42-5

M

WL3675000

M

Code:

RTECS #:

Code:

Name: STYRENE, MONOMER (SARA III)

% Text: N/K

Environmental Wt:

OSHA PEL:

Other REC Limits: N/K

100 PPM

Code: M OSHA STEL: Code:

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

Code: M ACGIH N/P STEL: Code:

EPA Rpt Qty: 1000 LBS

DOT 1000 LBS Rpt Qty:

Ozone Depleting Chemical:

N

Cas:

X

999999ZZ

M

Code:

RTECS #:

Code:

Name: INERT POWDERS & FIBERS SUCH AS INGREDIENTS 4, 5 AND 6.

% Text: N/K

Environmental Wt:

OSHA PEL:

Other REC Limits: N/K

NOT APPLICABLE

Code: M OSHA STEL: Code:

ACGIH TLV: NOT APPLICABLE

Code: M ACGIH N/P
STEL:

Code:

EPA Rpt Qty:

DOT
Rpt
Qty:

Ozone Depleting Chemical:

Cas: 14807-96-6

M

WW2710000

M

Code:

RTECS #:

Code:

Name: TALC (CONTAINING NO ASBESTOS)

% Text: >50

Environmental Wt:

Other REC Limits: N/K

OSHA PEL:

2 MG/M3 RDUST

Code: M OSHA
STEL:

Code:

ACGIH TLV: 2 MG/M3 RDUST; 9192

Code: M ACGIH N/P
STEL:

Code:

EPA Rpt Qty:

DOT
Rpt
Qty:

Ozone Depleting Chemical:

N

Cas: 63231-67-4

M

X

Code:

RTECS #:

Code:

Name: SILICA GEL

% Text: N/K

Environmental Wt:

Other REC Limits: N/K

OSHA PEL:

6 MG/M3

Code: M OSHA
STEL:

Code:

ACGIH TLV: 6 MG/M3

Code: M ACGIH N/P
STEL:

Code:

EPA Rpt Qty:

DOT
Rpt
Qty:

Ozone Depleting Chemical:

N

Cas:

X

LK3651000

M

Code:

RTECS #:

Code:

Name: GLASS, FIBROUS

% Text: N/K

Environmental Wt:

OSHA PEL:

Other REC Limits: N/K

15 MG/M3 (DUST)

Code: M OSHA
STEL:

Code:

ACGIH TLV: 10 MG/M3 (DUST);9192

Code: M ACGIH N/P
STEL:

Code:

EPA Rpt Qty:

DOT
Rpt
Qty:

Ozone Depleting Chemical:

===== Hazards Data ===== Health

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LD50 LC50 Mixture

NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds – Inhalation:YES

Skin:YES

Ingestion:NO

Carcinogenicity Inds – NTP:NO

IARC:YES

OSHA:NO

Health Hazards Acute And Chronic

(ACUTE) MAY CAUSE EYE AND SKIN IRRIT. VAPORS MAY CAUSE MUCOUS MEMBRANE IRRITATION AND UPPER RESPIRATORY TRACT DISCOMFORT. (CHRONIC) REPEATED EXPOSURE TO HIGH CONCENTRATIONS OF VAPOR MAY CAUSE LIVER AND KIDNEY DAMAGE.

Explanation Of Carcinogenicity

STYRENE – IARC, CLASS 2B.

Signs And Symptoms Of Overexposure

EYES:MAY CAUSE IRRIT. LIQ SPLASHES MAY RESULT IN MORE SERIOUS INJURY. MAY CAUSE TEARING. SKIN:PRLNGD/FREQ CONT MAY CAUSE DEFAT & DRYNESS OF SKIN W/RESULTANT IRRIT & POSS DERMAT. STYRENE MAY BE ABSORBED THRU SKIN IN TOX AMTS. INHAL:VAPS MAYCAUSE MUC MEMB IRRIT & UPPER RESP TRACT DISCOMFORT. HIGH CONC MAY (SUPP DATA)

Medical Cond Aggravated By Exposure

INDIVIDUALS WITH CHRONIC RESPIRATORY CONDITIONS (I.E. ASTHMA, CHRONIC BRONCHITIS, EMPHYSEMA, ETC) MAY BE ADVERSELY AFFECTED BY ANY FUME OR AIRBORNE PARTICULATE MATTER EXPOSURE.

First Aid

EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL MD IMMEDIATELY. SKIN: WASH WITH SOAP AND WATER. INHAL: REMOVE VICTIM FROM EXPOSURE. IF UNCONSCIOUS, ADMINISTER ARTIFICIAL RESPIRATION AND /OR OXYGEN AS NEEDED. CALL MD. INGEST: DO NOT INDUCE VOMITING (ASPIRATION HAZARD). CALL MD IMMEDIATELY.

Spill Release Procedures

REMOVE ALL SOURCES OF IGNIT. VENTILATE AREA. ABSORB SPILL WITH AN ABSORB MATL SUCH AS SAWDUST, VERMICULITE OR SAND AND PLACE IN A CLOSED CONTAINER. IF LARGE SPILL, DIKE AREA TO PREVENT THIS MATERIAL FROM ENTERING WATER SYSTEMS OR SEWERS.

Neutralizing Agent

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods

DISPOSE I/A/W FED, ST & LOC REGS. MATL & CNTNRS ARE HAZ WASTES BASED ON IGNITABILITY (40 CFR 261-21). FOR FURTHER INFO, CONT YOUR ST/LOC SOLID WASTE AGENCY/US ENVIRON PROT AGENCY'S RCRA HOTLINE. (1-80 0-424-9346)

Handling And Storage Precautions

AVOID STORAGE ABOVE 100F. AVOID PROLONGED OR REPEATED SKIN CONTACT. AVOID INHALATION OF VAPORS OR SPRAY MISTS. KEEP OUT OF REACH OF CHILDREN.

Other Precautions

OSHA PEL & ACGIH TLV ARE BOTH 50 PPM FOR 8-HR TWA. OSHA & ACGIH STEL ARE 100 PPM FOR 15-MIN PERIOD. EXPOS TO STYRENE MAY EXCEED STEL DURING 15-MIN PERIOD(NO CEILING FOR BRIEF EXPOS);HOWEVER, AVER FOR A SINGLE PERIOD MUST NOT EXCEED 100 PPM.

Explosion Hazard Information

Fire and

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Flash Point Method:

PMCC

Flash Point:

Flash Point Text: 90F (STYRENE)

Autoignition Temp:

Autoignition Temp Text: N/A

Lower Limits: 1.1%

Upper Limits: 6.1% STYRENE

Extinguishing Media

CO2, DRY CHEMICAL (SMALL FIRES); FOAM AND WATER FOG (LARGE FIRES).

Fire Fighting Procedures

USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). COOL CONTAINERS WITH WATER.

Unusual Fire/Explosion Hazard

HIGH TEMPERATURE EXPOSURE FOR EXTENDED PERIODS OF TIME WILL RESULT IN SPONTANEOUS UNCONTROLLED EXOTHERMIC POLYMERIZATION.

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Measures Control TOP

Respiratory Protection

NIOSH/MSHA APPROVED ORGANIC VAPOR RESPIRATOR IF PEL OR TLV IS EXCEEDED. APPROPRIATE RESPIRATOR SELECTION DEPENDS UPON TYPE AND MAGNITUDE OF EXPOSURE.

Ventilation

GEN VENT IS REQ DURING NORMAL USE. LOC VENT MAY BE REQ DURING CERTAIN OPER TO KEEP EXPOS LEVS <LIMS IN ING SECTION.

Protective Gloves

APPROPRIATE IMPERVIOUS GLOVES.

Eye Protection

CHEM WORK GOGG. MAY ADD FULL (SUPP DATA)

Other Protective Equipment

WEAR PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT. EYE WASH STATIONS AND SAFETY SHOWERS SHOULD BE AVAILABLE.

Work Hygienic Practices

WASH HANDS WITH SOAP AND WATER AFTER EVERY USAGE.

Supplemental Safety and Health

EFTS OF OVEREXP: RESULT IN HDCH, NAUS, INSENSIBILITY AND OTHER CNS EFFECTS. INGEST: MAY CAUSE GI DISTURBANCES, PAIN AND DISCOMFORT. EYE PROT: LENGTH FACESHIELD TO GOGGLES (FP N).

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Physical/Chemical Properties TOP

HCC:

F4

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point: B.P. Text: 293FSTYRENE

Melt/Freeze Pt: M.P/F.P Text: N/K

Decomp Temp: Decomp Text: N/K

Vapor Pres: 5.2STYRENE Vapor Density: 3.6STYRENE

Volatile Org Content %: Spec Gravity: 1.58+- .15

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity: N/P

Evaporation Rate & Reference: UNKNOWN

Solubility in Water: NEGLIGIBLE

Appearance and Odor: GREEN PASTE, STYRENE ODOR.

Percent Volatiles by Volume: 16(WT)

Corrosion Rate: N/K

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===== **Reactivity Data** =====
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Stability Indicator:

YES

Stability Condition To Avoid: HEAT AND DIRECT SUNLIGHT.

Materials To Avoid: STRONG ACIDS AND OXIDIZING AGENTS.

Hazardous Decomposition Products: HEATING OF THIS MATERIAL TO DECOMPOSITION MAY CAUSE THE EMISSION OF IRRITATING, ACRID FUMES.

Hazardous Polymerization Indicator: YES

Conditions To Avoid Polymerization HEAT DIRECT SUNLIGHT.

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===== **Toxicological Information** =====
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Toxicological Information:

N/P

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===== **Ecological Information** =====
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Ecological:

N/P

Transport Information:

N/P

Sara Title III Information:

N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information:

N/P

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