MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses.

Click http://www.lookchem.com/cas-100/100-42-5.html for suppliers of this product. Composition/Information on Ingredient

Cas: 100-42-5 Code: Μ RTECS: WL3675000

Code:

Name: STYRENE (SARA III). VP:4.5. **Other REC Limits:** NK **OSHA PEL:** 100 PPM Code:

USE NIOSH/MSHA APPROVED RESPIRATORS DESIGNED TO REMOVE PARTICULATE MATTER & ORGANIC SOLVENT

GENERAL DILUTION/LOC EXHST VENT SHOULD BE PROVIDED TO KEEP EXPOS BELOW ACCEPT LIMS & TO KEEP SOLV

Equipment PROPER CLTHG SHOULD BE WORN TO PVNT SKIN CONT. IMPERMEABLE CLTHG SHOULD BE WORN TO PVNT

EXPLO HAZ: CNDTNS. POLYMERIZATION OF MATL IN CLSD CNTNR CAN CREATE PRESS BUILD-UP WHICH MAY CAUSE RUPTURE OF CNTNR. HAZ DECOMP PROD: VARIOUS HYDROCARBONS. OTHER PREC: REACH OF CHILDREN. DO NOT

ACUTE: EYES: CONTACT W/LIQUID OR VAPOR MAY RESULT IN IRRITATION, REDNESS, TEARING & BLURRED VISION. SKIN: CONTACT W/WET MATERIAL MAY RESULT IN IRRITATION, DERMATITIS & POSSIBLE DEFATTING OF SKIN. INHAL: E XCESSIVE INHALATION OF

HLTH HAZ: FATG, WEAK, NAUS, HDCH & DIZZ. INGEST: INGEST OF THIS MATL MAY CAUSE GI IRRIT, NAUS, DIARR & VOMIT. ASPIR OF MATL INTO LUNGS DUE TO VOMIT MAY PRODUCE CHEM PNEUM WHICH CAN BE FATAL. CHRONIC: EXC ESSIVE OVEREXP TO STYRENE HAS

EYES:FLUSH IMMED W/LG AMTS OF WATER FOR AT LST 15 MINS. SEE MD FOR MED TREATMENT. SKIN:IMMED WASH AFFECTED AREA W/SOAP & WATER. REMOVE CONTAM CLTHG. CONSULT MD IF IRRIT DEVELOPS. INHAL: REMOVE PERSON T O FRESH AIR. RESTORE BRTHG. KEEP PERSONWARM & QUIET. TREAT SYMPTOMATICALLY. GET MED ATTN. INGEST: DRINK 1-2 GLASSES OF WATER TO DILUTE.

REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA. WEAR PROTECTIVE EQUIPMENT. AVOID BREATHING VAPORS. CONTAIN SPILL,

DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS. BEFORE ATTEMPTING CLEAN-UP OR DISPOSING OF MATERIAL, REFER TO

STORE MATL IN COOL, WELL-VENTILATED AREA. DO NOT STORE AT TEMPS >75F. DO NOT USE/STORE NEAR HEAT, SPARKS/OPEN

THIS MATL MUST BE CATALYZED PRIOR TO USE. WET MATL WILL HAVE HAZARD PROPERTIES OF BOTH COMPONENTS. PLEASE REFER TO MSDS FOR CATALYST. IF PROD IS TO BE SANDED, PEL/TLV OF 10 MG/M3 FOR NUISANCE DUSTS SH OULD BE OBSERVED. KEEP OUT OF

USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). WATER MAY BE USED TO COOL CONTAINERS TO PREVENT

VAPS ARE HVR/AIR & MAY TRAVEL ALONG FLOOR & BE IGNITED BY SPKS/FLAMES AT DIST FROM WHERE MATL IS BEING USED.

VAPORS MAY CAUSENASAL & RESPIRATORY IRRITATION, ACUTE NERVOUS SYSTEM DEPRESS, (EFTS OF OVEREXP)

3 STYRENE: IARC MONOGRAPHS, SUPPLEMENT, VOL 7, PG 345, 1987: GRP 2B. (ANIMAL LUNG CARCINOGEN) (FP N).

BEEN FOUND TO CAUSE FOLLOWING EFTS IN LAB ANIMALS: LIVER ABNORMS, KIDNEY DMG & LUNG DMG.

ALWAYS WASH HANDS AFTER USING THIS MATERIAL BEFORE EATING, DRINKING OR SMOKING.

TAKE INTER NALLY. AVOID CONT W/EYES & SKIN. OTHER PROT EQUIP:MATL W/SKIN.

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OSHA STEL:

ACGIH TLV:

ACGIHSTEL:

VAPORS.

Ventilation:

VAPS BELOW LEL.

Protective Gloves:

Eye Protection:

Other Protective Equipment:

Work Hygienic Practices:

LD50LC50Mixture:

Skin: YES

IARC: YES

OSHA:

First Aid:

Spill Release Procedures:

Waste Disposal Methods:

NONE SPECIFIED BY MANUFACTURER.

Handling And Storage Precautions:

FLAME, KEEP CONTAINERS TIGHTLY CLOSED.

Neutralizing Agent:

Other Precautions:

Flash Point Method:

(SUPDAT)

N/P

Flash Point:

Flash Point Text: 88.0F,31.1C

Autoignition Temp:

Lower Limits:

Upper Limits:

Extinguishing Media:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

FOAM, CARBON DIOXIDE, DRY CHEMICAL.

PRESSURE BUILD-UP WHICH MAY RUPTURE CONTAINERS.

Physical/Chemical Properties

POLYMERIZATION OF MATL MAY OCCUR UNDER FIRE(SUPDAT)

1.1%

N/K

HCC: F4

B.P. Text: 293F,145C

Melt/Freeze Pt:

M.P/F.P Text:

Decomp Temp:

Decomp Text:

Vapor Pres: SEE ING 1

PH: N/K

N/A

VOC Grams/Liter:

Percent Volatiles by Volume:

Stability Condition To Avoid:

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Look for Chemicals

www.lookchem.com

Other Information:N/P

N/K

N/K

NRC/State LIC No:

Net Prop WT For Ammo:

Autoignition Temp Text:

Ingestion:

Supplemental Safety and Health:

Health Hazards Data

NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:

Carcinogenicity Inds - NTP:

Health Hazards Acute And Chronic:

Explanation Of Carcinogenicity:

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

KEEP PERSON WARM & QUIET. CONSULT MD/POIS CTL CTR IMMED.

HAZARD INFORMATION IN OTHER SECTIONS OF THIS MSDS.

Fire and Explosion Hazard Information

ABSORB EXCESS W/DRY INERT MATERIAL, REMOVE & DISPOSE OF PROPERLY.

50 PPM;100 STEL, S

Control Measures

NEOPRENE OR NATURAL RUBBER GLOVES.

ANSI APPRVD SPLASH GOGGLES(FP N).

PRLNG/RPTD CONT OF WET (SUPDAT) 5

Respiratory Protection:

Code:

Code: Μ

NP Code:

Μ

Vapor Density: HVR/AIR **Volatile Org Content %:** Spec Gravity: 1.19 (FP N) **VOC Pounds/Gallon:**

Viscosity: N/P **Evaporation Rate & Reference:** SLOWER THAN ETHYL ETHER Solubility in Water: N/K **Appearance and Odor:** NONE SPECIFIED BY MANUFACTURER.

Corrosion Rate: N/K Reactivity Data **Stability Indicator:** YES

Materials To Avoid: PEROXIDES, STRONG OXIDIZERS, STRONG MINERAL ACIDS, STRONG BASES POLYMERIZATION CATALYSTS. **Hazardous Decomposition Products:** HAZ FUMES MAY BE PRDCD WHEN MATL IS HEATED TO DECOMP. FUMES MAY CONTAIN CARBON MONOXIDE, CARBON DIOXIDE (SUPP

HIGH TEMPERATURE, IGNITION SOURCES CONTACT W/INCOMPATIBLE MATERIALS. 6

DATA) **Hazardous Polymerization Indicator:** YES **Conditions To Avoid Polymerization:** HIGH TEMPERATURE, IGNITION SOURCES CONTACT W/INCOMPATIBLE MATERIALS.

Toxicological Information

Information:N/P **MSDS Transport Information** Information:N/P

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