

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-393/39389-20-3.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

39389-20-3

Code:

M

RTECS:**Code:**

X

Name:

SULFONATED DIVINYLBENZENE/STYRENE COPOLYMER, H 10

Other REC Limits:

N/K

OSHA PEL:

N/K (FP N)

Code:

M

OSHA STEL:**Code:****ACGIH TLV:**

N/K (FP N)

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

A RESP PROT PROGRAM MEETING OSHA 1910.134 AND ANSI Z88.2 REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT RESPIRATOR'S USE. NONE REQD UNDER NORM OPER CNDTNS. WEAR NIOSH/MSHA APPRVD RESP APPROP FOR EXPOS OF CONCERN (FP N).

Ventilation:

VENT SYS EMPLOYED IS DEPENDENT ON USER'S SPECIFIC APPLIC OF MATL. REFER TO CURRENT EDITION OF INDUSTRIAL VENT: A(SUPDAT)

Protective Gloves:

CHEMICALLY RESISTANT GLOVES.

Eye Protection:

6 SAFETY GLASSES (ANSI Z87.1 OR APP EQUIV)

Other Protective Equipment:

Equipment FACILITIES STORING OR UTILIZING MATERIAL SHOULD BE EQUIPPED WITH AN EYEWASH FACILITY.

Work Hygienic Practices:

NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:

VENT: MANUAL OF RECOM PRACT PUBLISHED BY ACGIH FOR INFO ON DESIGN, INSTALLATION, USE, & MAINTENANCE OF EXHST SYS. OTHER PREC: TO GROUND RESINS CAN BE CNTRL RD W/LOC EXHST VENT AT POINT OF DUST GEN, OR USE OF SUITABLE PERS PROT EQUIP (NIOSH/MSHA APPRVD DUST-MIST AIR-PURIFYING RESP & SAFETY GOGG). PROPERLY DESIGNED (ING 3)

Health Hazards Data

LD50/LC50 Mixture:

4 NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:

NO

Skin:

YES

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

EYE: MATERIAL CAN CAUSE IRRITATION. SKIN: PROLONGED OR REPEATED SKIN CONTACT CAN CAUSE SLIGHT SKIN IRRITATION.

Explanation Of Carcinogenicity:

NOT RELEVANT.

Signs And Symptoms Of Overexposure:

SEE HEALTH HAZARDS.

Medical Cond Aggravated By Exposure:

NONE SPECIFIED BY MANUFACTURER.

First Aid:

EYE: FLUSH WITH LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. CONSULT PHYSICIAN IF IRRITATION PERSISTS. SKIN: WASH AFFECTED AREAS THOROUGHLY WITH SOAP AND WATER. INHALATION: REMOVE FROM EXPOSURE. SUP PORT BREATHING (GIVE ARTIFICIAL RESPIRATION/OXYGEN) (FP N). INGESTION: CALL MD IMMEDIATELY (FP N).

Spill Release Procedures:

WEAR NATURAL RUBBER GLOVES. TRANSFER TO SUITABLE CONTAINER FOR DISPOSAL. FLOOR MAY BE SLIPPERY USE CARE.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

UNUSED RESIN MAY BE INCINERATED OR LANDILLED IN FACILITIES MEETING LOCAL, STATE, AND FEDERAL REGULATIONS. FOR CONTAMINATED RESIN, USER MUST DETERMINE HAZARD AND USE AN APPROPRIATE DISPOSAL METHOD.

Handling And Storage Precautions:

MIN RECOM STORAGE TEMP FOR MATL IS 0C/32F. MAX RECOM STORAGE TEMP FOR MATL IS 60C/140F. AVOID RPTD FREEZE-THAW CYCLES; BEADS MAY FRACTURE. 5

Other Precautions:

MAX RECOM OPER TEMP FOR MATL IS 120C/250F. NOTE: PROD AS SUPP IS WHOLE BEAD ION EXCHANGE RESIN & MAY PRDCE SLIGHT EYE IRRIT. HOWEVER, GROUND FORM OF STRONG ACID CATION EXCHANGE RESIN SHOULD BE TREATED AS SEV EYE IRRIT. WORKER EXPOS (SUPDAT)

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:**Flash Point Text:**

NOT APPLICABLE

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/A

Upper Limits:

N/A

Extinguishing Media:

CARBON DIOXIDE, DRY CHEMICAL, WATER SPRAY.

Fire Fighting Procedures:

WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:

COMBUSTION GENERATES TOXIC FUMES OF FOLLOWING: SULFUR OXIDES.

Physical/Chemical Properties

HCC:**NRC/State Lic No:****Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

SEE ING 2

Melt/Freeze Pt:

SEE ING 2

M.P./F.P. Text:

SEE ING 2

Decomp Temp:

SEE ING 2

Decomp Text:

N/K

Vapor Pres:

17@20C/68F

Vapor Density:

<1

Volatile Org Content %:

SEE ING 2

Spec Gravity:

1.1-1.4(H₂O=1)

VOC Pounds/Gallon:

SEE ING 2

PH:

ING 7

VOC Grams/Liter:

SEE ING 2

Viscosity:

N/P

Evaporation Rate & Reference:**Solubility in Water:**

INSOLUBLE

Appearance and Odor:

BEADS

Percent Volatiles by Volume:

ING 2

Corrosion Rate:

N/K 7

Reactivity Data

Stability Indicator:

SEE ING 2

Stability Condition To Avoid:

TEMPERATURES ABOVE 200C/392F.

Materials To Avoid:

STRONG OXIDIZING AGENTS, PARTICULARLY CONCENTRATED NITRIC ACID.

Hazardous Decomposition Products:

THERMAL DECOMPOSITION MAY YIELD FOLLOWING: MONOMER VAPORS, SULFUR OXIDES.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT RELEVANT.

Toxicological Information

Information:

N/P

MSDS/Transport Information

Information:

N/P

Regulatory Information

Sara Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information:

N/P

Other Information

Other Information:

N/P

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