

AROPOL 8120-1

MSDS Number

BQTZD

National Stock Number

8040-00N037621

Product Name

AROPOL 8120-1

Manufacturer

ASHLAND CHEMICAL INC

Product Identification

Product ID:AROPOL 8120-1

MSDS Date:05/31/1989

FSC:8040

NIIN:00N037621

MSDS Number: BQTZD

Responsible Party

ASHLAND CHEMICAL INC

COLUMBUS , OH 43216

US

Emergency Phone: 800-274-5263

Info Phone: 614-889-3333

Cage: 34897

Contractor

ASHLAND CHEMICAL CO

2219

COLUMBUS, OH 43216-2219

US

614-790-3333/800-274-5263

Cage: 34897

Ingredients

POLYMERIZATION WILL TAKE PLACE UNDER FIRE CNDTNS. IF

RTECS: 9999999ZZ

POSSIBILITY IT WILL RUPTURE VIOLENTLY. COOL STORAGE

RTECS: 9999999ZZ

OXYGEN. IF BRTHG HAS STOPPED, GIVE ARTF

RTECS: 9999999ZZ

UP HAS BEEN COMPLETED. STOP SPILL @ SOURCE. PVNT

RTECS: 9999999ZZ

WATER. PVNT FROM SPREADING. IF RUNOFF OCCURS, NOTIFY

RTECS: 9999999ZZ

CLEAN CONTAINERS FOR RECOVERY. ABSORB UNRECOVERABLE

RTECS: 9999999ZZ

MATERIALS TO CONTAINERS FOR DISPOSAL.

RTECS: 9999999ZZ

LANDFILL I/A/W LOCAL, STATE & FEDERAL

RTECS: 9999999ZZ

CONCENTRATIONS ARE IN THE ATMOSPHERE THAN RESULT

RTECS: 9999999ZZ

(SEE YOUR SAFETY EQUIP SUPPLIER). ENGINEERING OR

RTECS: 9999999ZZ

POLYESTER RESIN

Fraction By Weight: 60-65%

STYRENE (SARA III)

CAS: 100-42-5

RTECS: WL3675000

Fraction By Weight: 35%

OSHA PEL100 PPM

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

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE:EYES:CAN CAUSE SEV IRRIT, REDNESS, TEARING, BLURRED VISION. SKIN:PRLNG/RPTD CONT CAN CAUSE MOD IRRIT, DEFAT, DERM. INHAL:EXCESS INHAL OF VAPS CAN CAUSE NASAL & RESP IRRIT, CNS EFTS INCL DIZZ, WE AK, FATG, NAUS, HDCH & POSS UNCON & EVEN DEATH. INGEST:CAN CAUSE GI IRRIT, NAUS, VOMIT & DIARR. (EFTS OF OVEREXP)

Explanation of Carcinogenicity:STYRENE:GROUP 2B (IARC), IARC

MONOGRAPHS, VOL. SUPPLEMENT 7, PAGE 345, 1987

Effects of Overexposure:HLTH HAZ:CHRONIC:OVEREXP TO STYRENE HAS

APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFTS IN LAB

ANIMALS:LIVER ABNORMS, KIDNEY DMG & LUNG DMG.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:SKIN:THORO WASH EXPOS AREA W/SOAP & WATER. REMOVE & LAUNDER

CONTAM CLTHG BEFORE RE-USE. EYES:FLUSH W/LG AMTS OF WATER FOR @ LST 15 MINS, LIFTING UPPER & LOWER LIDS OCCAS, GET MED ATTN. INGEST:DO NOT INDUCE VOMIT, KEEP PERS WARM, QUIET & GET MED ATTN. ASPIR OF MATL INTO LUNGS DUE TO VOMIT CAN CAUSE CHEM PNEUM WHICH CAN BE FATAL. INHAL:REMOVE INDIVIDUAL TO FRESH AIR. IF BRTHG IF DFCLT, ADMIN (ING 5)

Fire Fighting

Flash Point:>73F,>23C

Lower Limits:1.1%

Upper Limits:6.1%

Extinguishing Media:REGULAR FOAM, WATER FOG, CARBON DIOXIDE OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:VAPS ARE HVR/AIR & MAY TRAVEL ALONG GROUND/MAY BE MOVED BY VENT & IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPKS, HEATERS, SMOKING, ELEC MOTORS, STATIC (SUPDAT)

Accidental Release

Spill Release Procedures:SM SPILL:ABSORB LIQ ON VERMICULITE, FLOOR ABSORB/OTHER ABSORB MATL & TRANSFER TO HOOD. LG SPILL:ELIM ALL IGNIT SOURCES (FLARES, FLAMES INCL PILOT LIGHTS, ELEC SPKS). PERS NOT WEARING PROT EQUIP SHLD B E EXCLUDED FROM AREA OF SPILL UNTIL CLEAN- (ING 6)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:PROVIDE ADEQUATE VENTILATION & IF NECESSARY, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION. CNTNRS OF THIS MATL MAY BE HAZ WHEN EMPTIED.

Other Precautions:SINCE EMPTIED CNTNRS RETAIN PROD RESIDUES (VAP, LIQ &/OR SOLID), ALL HAZ PRECS GIVEN IN THIS MSDS MUST BE OBSERVED. EXPOS TO AEROSOLS & MISTS WHEN MATL IS SPRAYED MAY PRESENT GREATER RISK OF INJURY FR OM COMPONENTS BECAUSE HIGHER (ING 11)

Exposure Controls

Respiratory Protection:IF WORKPLACE EXPOS LIM(S) OF PROD/ANY COMPONENT IS EXCEEDED, NIOSH/MSHA APPRVD AIR SUPPLIED RESP IS ADVISED IN ABSENCE OF PROPER ENVIRON CTL. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA APPRVD RESP(NEG PRE SS TYPE) UNDER SPECIFIED CNDTNS (ING 12)

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL &/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RESISTANT GLOVES (POLYVINYL ALCOHOL).

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:NORMAL WORK CLOTHING COVERING ARMS & LEGS.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EXPLO HAZ:DISCHARGE/OTHER IGNIT SOURCES @ LOCATIONS DIST FROM MATL HNDLG PT. ALL 5 GAL PAILS & LGR METAL CNTNRS INCL TANK CARS & TANK TRUCKS SHLD BE GROUNDED &/OR BONDED WHEN MATL IS TRANSFERRED. NEVE R USE WELDING/CUTTING TORCH ON/NEAR DRUM (EVEN EMPTY) BECAUSE PROD (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY. (ING 3)

Chemical Properties

Boiling Pt:B.P. Text:293F,145C

Vapor Pres:4.5 @ 68F

Vapor Density:HVR/AIR

Spec Gravity:1.14-1.16

Evaporation Rate & Reference:SLOWER THAN ETHER

Appearance and Odor:CLEAR AMBER COLOR LIQUID, HOMOG SOLN.

Percent Volatiles by Volume:35-40

Stability

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT W/STRONG ALKALIES, STRONG MINERAL ACIDS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:MAY FORM TOXIC MATLS:CARBON DIOXIDE,
CARBON MONOXIDE & VARIOUS HYDROCARBONS, ETC.
Conditions to Avoid Polymerization:AVOID EXPOSURE TO EXCESSIVE HEAT,
PEROXIDES & POLYMERIZATION CATALYSTS.

Disposal

Waste Disposal Methods:SM SPILL:ALLOW VOLAT PORTION TO EVAP IN HOOD.
ALLOW SUFFICIENT TIME FOR VAPS TO COMPLETELY CLEAR HOOD DUCT WORK.
DISP OF REMAINING MATL I/A/W APPLIC REGS. LG SPILL:DESTROY BY LIQ
INCIN I/A/W APPLIC RE GS. CONTAM ABSORB MAY BE DEPOSITED IN A(ING
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