

PEN

MSDS Number

BXDSD

National Stock Number

9135-00N010466

Product Name

PEN

Manufacturer

STATE CHEMICAL MFG CO

Product Identification

Product ID: PEN

MSDS Date: 04/01/1994

FSC: 9135

NIIN: 00N010466

MSDS Number: BXDSD

Responsible Party

STATE CHEMICAL MFG CO

31 HAMILTON AVE

CLEVELAND , OH 44114-3701

US

Emergency Phone: 216-861-7114

Info Phone: 216-861-7114

Cage: 53798

Contractor

STATE CHEMICAL MANUFACTURING CO.

CLEVELAND, OH 44114-3701

US

216-861-7114

Cage: 53798

Ingredients

ETHYLENE, TETRACHLORO-; (PERCHLOROETHYLENE) (SARA 313)

CAS: 127-18-4

RTECS: KX3850000

Fraction By Weight:

OSHA PEL100 PPM

ACGIH TLV: 25 PPM; 100 STEL

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

PROPANOL, (1,1-DIMETHYLETHOXY)-; (PROPYLENE GLYCOL T-BUTYL

CAS: 57018-52-7

RTECS: UB3772000

Fraction By Weight:

OSHA PELN/K

ACGIH TLV: N/K

CARBON DIOXIDE

CAS: 124-38-9

RTECS: FF6400000

Fraction By Weight:

OSHA PEL5000 PPM

ACGIH TLV: 5000 PPM; 30000 STEL

MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-REFINED HEAVY

CAS: 64741-88-4

RTECS: PY8040501

Fraction By Weight:

OSHA PELN/K

ACGIH TLV: N/K

MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (SEVERE),

CAS: 64742-52-5

RTECS: PY8035001

Fraction By Weight:

OSHA PELN/K

ACGIH TLV: N/K

COMPUTERS OR ELECTRONIC MEMORY SYS. BE CAREFUL

RTECS: 9999999ZZ

AREA BEFORE USING. WIPE OFF OVERSPRAY IMMED. READ &

RTECS: 9999999ZZ

USING PROD. THESE PRODS ARE INTENDED FOR INDUS &

RTECS: 9999999ZZ

KEEP OUT OF THE REACH OF CHILDREN.

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:CHLOROCARBON MATLS HAVE PRDCED SENSIT

OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE SIMILAR

EFT IN HUMANS. ADRENOMIMETICS (EG, EPINEPHRINE) MAY BE

CONTRA-INDICATED EXCEPT FOR LIFE-SUSTAININ G USES IN HUMANS

ACUTELY/CHRONICALLY EXPOS TO CHLOROCARBONS . HARMFUL/FATAL IF

SWALLOWED. PRLNGD (EFTS OF OVEREXP)

Explanation of Carcinogenicity:TETRACHLOROETHYLENE: IARC MONO, SUPP, VOL 7, PG 355, 1987:GRP 2B. NTP 7TH ANNUAL REPORT ON CARCINS, 1994: (SUPDAT)

Effects of Overexposure:HLTH HAZ: BRTHG OF VAPS MAY RESULT IN HDCH, DIZZ, DROW OR NAUS. MAY CAUSE EYE/SKIN IRRIT. PRLNGD SKIN CNTCT MAY RSLT IN DRYING/CRACKING. CHRONIC: LONG TERM EXPOS TO VAPS MAY CAUSE LUNG, LIVER OR KIDNE Y DMG. PERCHLOROETHYLENE IS A CARCINOGEN & MAY CAUSE SPLEEN & BRAIN DMG.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid

First Aid:INGEST: CONTAINS SOLVENTS. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY. INHAL: REMOVE TO FRESH AIR. ADMIN OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. EYES: FLUSH IMMEDIATELY W/PLENTY OF COOL WATER FORAT LEAST 15 MINUTES. IF IRRITATION PERSISTS, CONTACT MD. SKIN: WASH W/SOAP & WATER. IF IRRITATION PERSISTS, CONTACT MD.

Fire Fighting

Flash Point Method:TCC

Flash Point:> 300F,>149C

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

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD PRESS DEMAND SCBA & FULL PROT EQUIP . KEEP CNTNRS COOL. USE EQUIP/SHIELDING TO PROT PERS AGAINST VENTING/RUPTURING/BURSTING CNTNRS.

Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HCL AND PHOSGENE . AT TEMPERATURES ABOVE 120F CONTAINERS MAY VENT, RUPTURE OR BURST.

Accidental Release

Spill Release Procedures:REMOVE SOURCES OF FLAME, SPARKS OR HEAT. VENTILATE AREA. WIPE UP EXCESS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:DO NOT STORE IN DIRECT SUN/IN TEMPS >120F. AVOID BRTHG VAPS FROM PROD. HARMFUL/FATAL IF SWALLOWED. DO NOT TAKE INTERNALLY. IF SWALLOWED DO NOT(SUPDAT)

Other Precautions:NO SMKNG IN AREA OF USE. DO NOT USE IN GEN VICIN OF ARC WELDING/OPEN FLAMES/HOT SURFS. HEAT &/OR UV RADIA MAY CAUSE FORM OF HCL &/OR PHOSGENE . PROD CNTNS SOLVS WHICH MAY AFFECT PLASTICS & PAINT S. NOT FOR USE ON ELECTRONIC (ING 6)

Exposure Controls

Respiratory Protection:USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN USING PROD IN ANY AREA W/OUT VENT. IN AREAS W/VAPOR ABOVE TLV BUT STILL PLENTY OF OXYGEN, USE NIOSH/MSHA APPRVD CARTRIDGE TYPE RESP FITT ED WITH ORGANIC VAPOR CARTRIDGES.

Ventilation:USE VENTILATION TO KEEP VAPOR CONCENTRATION BELOW TLV.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGS .

Other Protective Equipment:SOURCE OF CLEAN WATER NEARBY IN CASE OF ACCIDENTAL EYE SPLASHING. WEAR LONG PANTS & LONG SLEEVES.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EXPLAN OF CARCIN: ANTIC TO BE CARCIN. ANIMAL:LIVER TUMORS. HNDLG/STOR PREC:INDUCE VOMIT. CALL MD. VAP MAY BE HARMFUL. CONTENTS UNDER PRESS. DO NOT PUNCTURE/INCIN. DO NOT USE IN POORLY VENT/CONFINED SP ACES. VAPS ARE HVR/AIR & WILL COLLECT IN LOW AREAS SUCH AS PITS, DEGREASERS, STOR TANKS/OTHER CONFINED AREAS.

Chemical Properties

Boiling Pt:B.P. Text:>250F,>121C

Vapor Density:4.0

Spec Gravity:1.3 (H*20=1)

Solubility in Water:NIL

Appearance and Odor:AMBER PRESSURIZED SPRAY WITH STRAWBERRY SCENT.
Percent Volatiles by Volume:>80 WT

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, ACTIVE METALS, ACIDS, DEHYDRATING AGENTS.
Stability Condition to Avoid:HEAT, SPARKS OR OPEN FLAMES.
Hazardous Decomposition Products:BURNING THIS PRODUCT MAY RESULT IN THE
FORMATION OF CARBON DIOXIDE, PHOSGENE, WATER AND HYDROGEN CHLORIDE.

Disposal

Waste Disposal Methods:DO NOT PUNCTURE OR INCINERATE CONTAINERS. GIVE
TO DISP SERVICE EQUIPPED TO SAFELY HANDLE & DISPOSE OF PRESSURIZED
CONTAINERS. USED LIQUID IS RCRA HAZ WASTE (NO F001). FOLLOW ALL
FEDERAL, STATE & LOCAL REGULATIONS REGARDING WASTE DISPOSAL.

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