

Safety Information

[TOP](#)**FSC:**

6850

MSDS Date:

06/05/1989

MSDS Num:

BLCSZ

Submitter:

N EN

LIIN:

00N019264

Tech Review:

07/13/1995

Status CD:

C

Product ID:

ZEPELEC, 0327

MFN:

01

Article:

N

Kit Part:

N

Cage:

Responsible Party

72674

Name:

ZEP MANUFACTURING COMPANY

Box:

2015

City:

ATLANTA

State:

GA

Zip:

30301

Country:

US

Info Phone Number:

404-352-1680

**Emergency Phone
Number:**

404-435-2973;800-424-9300(CHEMTREC)

Preparer's Name:

N/P

Proprietary Ind:

N

Review Ind: N

Published: Y

Special Project CD: N

Summary

Contractor

[TOP](#)**Cage:**

27674

Name:

ZEP MANUFACTURING COMPANY

Address:

1310 SEABOARD INDUSTRIAL BLVD NW

Box:

2015

City:

ATLANTA

State:

GA

Zip:

30318

Country:

US

Phone:

877-428-9937

Cage:

72674

Name:

ZEP MANUFACTURING COMPANY

Address:

N/K

Box:

2015

City:**State:****Zip:**

ATLANTA
Country:

Phone:

GA 30301

NK

(404) 352-1680

Ingredients

[TOP](#)

Cas: 76-13-1

M

KJ4000000

M

Code:

RTECS #:

Code:

Name: 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA III)

% Text: >90

Environmental Wt:

Other REC Limits: N/K

OSHA PEL:

1000PPM/1250STEL

Code: M OSHA
STEL:

Code:

ACGIH TLV: 1000PPM/1250STEL9192

Code: M ACGIH N/P
STEL:

Code:

EPA Rpt Qty:

DOT
Rpt
Qty:

Ozone Depleting Chemical:

1

Hazards Data

Health

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LD50 LC50 Mixture

NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: NO

Ingestion: NO

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Health Hazards Acute And Chronic

ACUTE: INHAL: SEVERE OVEREXPOS (>2500PPM) CAN CAUSE CNS DEPRESS RESULTING IN HDCH, NAUSEA, & DIZZ. IN EXTREME CASES, STUPOR, UNCON & DEATH MAY RESULT. ONE INGRED IN PROD HAS CAUSED CARDIAC SENSITIZATION IN ANIMALS DURING TESTS AT LEVELS ABOVE 20000PPM WHILE, THIS EFT HAS BEEN IMPLICATED FOR HUMANS (SEE EFTS OF OVEREXP)

Explanation Of Carcinogenicity

NOT RELEVANT.

Signs And Symptoms Of Overexposure

HLTH HAZ: IT HAS NOT BEEN PROVEN; ADRENALIN INTENSIFIES EFT. SKIN/EYE CNTCT MAY CAUSE DEFATTING W/POSS IRRIT. INHAL OF AEROSOL MIST MAY PRDCE CHEM PNEUM. CHRONIC: SKIN RPTDLY DEFATTED BY CNTCT W/ PROD M AY BE MORE SUSCEPTIBLE TO IRRIT, INFECTION OR DERM.

CHLOROFLUOROCARBON (CFC) MATLS HAVE PRODUCED SENSITIZATION(SUPP DATA

Medical Cond Aggravated By Exposure

NONE SPECIFIED BY MANUFACTURER.

First Aid

SKIN:IMMED FLUSH CONTAMD AREA W/PLENTHY OF WATER FOR AT LEAST 15 MIN. GET MD IF IRRIT DEVELOPS. EYE:IMMED FLUSH W/ PLENTY OF WATER FOR AT LEAST 15 MIN, OCCSNLY LIFTING LIDS. GET MD IMMED. INHAL:MOVE TO FRESH AIR IMMED. IF BRTHG STOPPED, GIVE ARTF RESP. GET MD IMMED. INGEST:IF SWALLOWED, DO NOT INDUCE VOMIT. IF VOMIT OCCURS, KEEP HEAD BELOW HIP LEVEL. GET EMERGENCY MED ATTN IMMED.

Spill Release Procedures

OBSERVE SAFETY PRECAUTIONS DURING SPILL CLEAN-UP. LG SPILLS UNLIKELY DUE TO PACKAGING. SPILL MAY BE ABSORBED ON INERT ABSORBENT, AND PLACED IN SUITABLE CNTNR FOR DISPOSAL. WASH AREA THOROUGHLY W/DETER GENT SOLN & RINSE WELL W/WATER.

Neutralizing Agent

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods

PROD CONSUMED IN USE. DO NOT CRUSH, PUNCTURE/INCIN SPENT CNTNRS. LG NOS OF AEROSOL CNTNRS MAY REQ HNDLG AS HAZ WASTE BUT IN MOST STATES TOTAL HAZ WASTE QTYS <220 LBS PER MO MAY ALLOW DISP IN CHEM/ IND US WASTE LANDFILL. CONSULT LOCAL, STATE(SUPP DATA

Handling And Storage Precautions

DO NOT STORE AT TEMPS >120F/IN DIRECT SUNLIGHT. DO NOT PUNCTURE/INCINERATE CNTNR. CNTNR MAY BURST IF HEATED >120F. DO NOT BREATHE SPRAY MISTS OR VAPS.

Other Precautions

KEEP OUT OF REACH OF CHILDREN. NO SMOKING IN AREA OF USE. DO NOT USE IN GENL VICIN OF ARC WELDING, OPEN FLAMES/HOT SURFACES. HEAT &/OR UV RADIA MAY CAUSE FORM OF CHLORIDES, FLUORIDES &/OR PHOSGENE (FP N). SUBJECT TO SARA TITLE III, 313.

Explosion Hazard Information Fire and TOP

Flash Point Method:

N/P

Flash Point:

Flash Point Text: NOT FLAMMABLE

Autoignition Temp:

Autoignition Temp Text: N/A

Lower Limits: N/A

Upper Limits: N/A

Extinguishing Media

USE MEDIA SUITABLE FOR SURROUNDING FIRE (FP N).

Fire Fighting Procedures

WEAR NIOSH/MSHA APPROVED PRESSURE-DEMAND SCBA & FULL PROTECTIVE EQUIPMENT (FP N). DIRECT STREAM OF WATER ONTO INTACT CONTAINERS.

Unusual Fire/Explosion Hazard

THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE CHLORIDES, FLUORIDES AND PHOSGENE (FP N).

Measures ----- Control TOP

Respiratory Protection

IF VENTILATION IS INADEQUATE, WEAR PROPERLY FITTING NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation

VENTILATION SHOULD BE EQUAL TO OUTDOORS. USE EXHAUST FANS &/ OR EXHAUST HOOD IN ENCLOSED SPACES.

Protective Gloves

IMPERVIOUS GLOVES.

Eye Protection

CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment

EMERGENCY EYEWASH DELUGE SHOWER (FP N).

Work Hygienic Practices

CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING W/ MATERIAL.

Supplemental Safety and Health

EFTS OF OVEREXP:OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE SIMILAR EFT IN HUMANS. ADRENOMIMETICS (E.G., EPINEPHRINE) MAY BE CONTRAINDICATED EXCEPT FOR LIFE-SUSTAINING USES IN HUMANS ACUT ELY OR CHRONICALLY EXPOSED TO CFC'S (FPN). WASTE DISP METH:& FEDERAL AGENCIES FOR PROPER DISPOSAL METHOS IN YOUR AREA.

Physical/Chemical Properties

[TOP](#)

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text: 118F,48C

Melt/Freeze Pt:

M.P/F.P Text: N/K

Decomp Temp:

Decomp Text: N/K

Vapor Pres: 334

Vapor Density: 2.9

Volatile Org Content %:

Spec Gravity: 1.57

VOC Pounds/Gallon:

PH: N/A

VOC Grams/Liter:

Viscosity: N/P

Evaporation Rate & Reference: 0.3 (CARBON TET = 1).

Solubility in Water: 0.02%

Appearance and Odor: CLEAR, THIN LIQUID W/MILD SOLVENT ODOR.

Percent Volatiles by Volume: 100

Corrosion Rate: N/K

Reactivity Data

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Stability Indicator:

YES

Stability Condition To Avoid: HEAT, SUNLIGHT.

Materials To Avoid: STRONG OXIDIZERS AND ACIDS.

Hazardous Decomposition Products: CO₂, CO, HCL, SMALL AMOUNTS OF PHOSGENE, CHLORINE, AND FLUORIDE GAS.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization NOT RELEVANT.

Toxicological Information:

N/P

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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