



ZEP Manufacturing Company of Canada
 Acuity Specialty Products Group, Inc.
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Material Safety Data Sheet

and Safe Handling and Disposal Information

SECTION I - PRODUCT INFORMATION

Issue Date 29/04/96
Supersedes 24/02/93
Product Name **ZEPTOX II**
Product No. **0231**

For MSDS Information:
 Zep Manufacturing Company of Canada
Technical Services: (780) 453-8100

For Medical Emergency (24 Hour Service):
CANUTEC: (613) 996-6666 Call Collect

For a Transportation Emergency (24 Hour Service):
CANUTEC: (613) 996-6666 Call Collect

Printing date: 20/07/04

SECTION II - HAZARDOUS INGREDIENTS

**** 1,1,1-TRICHLOROETHANE **** methyl chloroform chlorothene; CAS# 71-55-6; RTECS# KJ2975000; OSHA PEL - 350 ppm; ACGIH/OSHA STEL - 450 ppm TLV: 350; % IN PROD: 60-100
 LD50: Not Available SPECIES: Not Available ROUTE: Not Available
 LC50: Not Available SPECIES: Not Available ROUTE: Not Available

**** LOW ODOR PARAFFINIC SOLVENT **** odorless base oil; dispersol; CAS# 64742-47-8; RTECS# NONE; OSHA PEL- 500 ppm. TLV: 500; % IN PROD: 10-30
 LD50: Not Available SPECIES: Not Available ROUTE: Not Available
 LC50: Not Available SPECIES: Not Available ROUTE: Not Available

**** ISOPROPYL ALCOHOL **** ipa; dimethylcarbinol; 2-pro_ panol; CAS# 67-63-0; RTECS# NT8050000 TLV: 400; % IN PROD: 5-10
 LD50: 5045 mg/kg SPECIES: RAT ROUTE: ORL
 LC50: Not Available SPECIES: Not Available ROUTE: Not Available

**** CARBON DIOXIDE **** CAS# 124-38-9 TLV: ; % IN PROD: 1-5
 LD50: Not Available SPECIES: Not Available ROUTE: Not Available
 LC50: Not Available SPECIES: Not Available ROUTE: Not Available

THE WHMIS CLASSIFICATION FOR THIS PRODUCT IS: NWR

SECTION III - TOXICOLOGICAL PROPERTIES

SPECIAL NOTE: MSDS data pertains to the product as dispensed from the container. Adverse health effects would not be expected under recommended conditions of use so long as prescribed safety precautions are practiced.

EFFECTS OF ACUTE EXPOSURE:

Inhalation of vapor can produce central nervous system depression characterized by dizziness headache nausea, cardiac and/or respiratory depression, stupor unconsciousness and death, in extreme cases. Exposure to high concentrations of vapor by direct contact or inhalation can be irritating to mucus membranes such as eyes and upper respiratory tract. Severe eye exposure to liquid can cause reversible eye damage. Skin contact may cause a burning sensation and reddening of the skin. Introduction of solvent to the lungs, as in aspiration of vomitus fluids may cause chemical pneumonia. Exposure to this product may aggravate existing respiratory and cardiac conditions. Inhalation of aerosol mist may produce chemical pneumonia.

EFFECTS OF CHRONIC EXPOSURE:

Repeated or prolonged contact by inhalation or skin absorption may produce liver or kidney damage or damage to the central nervous system, characterized by tingling or numbness in the extremities, blurred vision or confusion. Skin, which is defatted by repeated exposure to solvents, is more susceptible to irritation, infection, and dermatitis. Ingredients in this product may aggravate existing skin, eye, or respiratory disorders. One or more of the ingredients in this product has been shown to increase the incidence of tumors in laboratory animals. The relevance to humans is unknown.

PRIMARY ROUTES OF ENTRY: Inh, skin

SECTION IV - FIRST AID MEASURES

SKIN: Wash contaminated skin thoroughly with soap or a mild detergent. Apply a skin cream with lanolin. Get medical attention if irritation persists.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids. Get medical attention at once.

INHALE: Move exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Get medical attention immediately.

INGEST: Aspiration hazard - do not induce vomiting. If vomiting occurs, keep head below hip level. Get emergency medical attention immediately.

SECTION V - PHYSICAL DATA

BOILING POINT (C) : 41-254 C
FREEZING POINT (C) : Not Available
VAPOR PRESSURE(mmHg) : APPROX. 62.5
VAPOR DENSITY(AIR-1) : Not Available
SOLUBILITY IN WATER : Negligible
APPEARANCE AND ODOR : Clear, colorless liquid With a strong solvent odor

SPECIFIC GRAVITY : 1.45
VOC CONTENT (CONCENTRATE) : Not Available
EVAPORATION RATE (CCL4 =1) : 0.34
pH(CONCENTRATE) : Not Available
pH(USE DILUTION OF Not Available) : Not Available

SECTION VI - PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION:

PROTECTIVE CLOTHING: Wear viton gloves or use gloves with demonstrated resistance to the ingredients in this product.

EYE PROTECTION: Use tight-fitting safety glasses. Contact lenses should not be worn when working with this material.

RESPIRATORY PROTECTION: Keep face away from spray mist and do not breathe vapors.

VENTILATION: Ventilation should be equivalent to outdoors. Use exhaust fans and open windows in enclosed spaces.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Observe safety precautions in sections 4 & 9 during spill clean-up. Large spills are unlikely due to packaging. Spill may be absorbed on an inert absorbent material, and placed in a suitable container for disposal. Wash area thoroughly with a detergent solution and rinse well with water.

WASTE DISPOSAL METHOD:

Product is consumed in use. Do not crush, puncture or incinerate spent containers. Large numbers or aerosol containers may require handling as hazardous waste. Consult local, provincial, and federal agencies for the proper disposal method in your area.

PRECAUTIONS TO BE TAKEN WHEN HANDLING AND STORING:

Do not store at temperatures above 120F (39C) or in direct sunlight. Do not puncture or incinerate container. Keep product away from skin and eyes. Do not breathe spray mists or vapors. Vapors are heavier than air and will accumulate at low points. Ventilation should include floor level exhausting. Keep away from food and food products. Keep out of the reach of children

TRANSPORTATION DATA

TDG I.D. NUMBER: Not Available
TDG PROPER SHIPPING NAME: CONSUMER COMMODITY,
TDG HAZARD CLASS: ORM-D
TDG PACKAGING GROUP: Not Available
TDG LABEL/PLACARD:ORM-D

SECTION VII - FIRE AND EXPLOSION HAZARDS

FLASH POINT(C) (METHOD USED): Not flammable CSMA FLAME EXTENSION TEST

FLAMMABLE LIMITS : LOWER: Not Available UPPER: Not Available

CONDITIONS OF FLAMMABILITY: Not Available

AUTOIGNITION TEMPERATURE (C) : Not Available

MEANS OF EXTINCTION: Self-extinguishing.

FIRE FIGHTING: Direct water onto intact containers to prevent bursting.

FIRE HAZARD: Container may burst if heated above 49 C.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, hydrogen chloride, and small amounts of phosgene & chlorine gas.

EXPLOSION DATA: Not Available

SECTION VIII - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY(AVOID): Heat, open flame, spark, and oxidizing agents.

REACTIVITY: Will not occur

HAZARDOUS DECOMPOSITION: Carbon dioxide, carbon monoxide, hydrogen chloride, and small amounts of phosgene & chlorine gas.

SECTION IX - PREPARATION INFORMATION

Prepared By: Zep Technical Services, Zep Manufacturing Company of Canada, Edmonton, Alberta

For MSDS Information, telephone: (780) 453-8100

Date of Preparation : 29/04/96