



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 15/05/96
Supersedes
Product Name **ELEC II AEROSOL**
Product No. **0089**
 Aerosol Electrical Contact Cleaner

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-DICHLORO-1-FLUOROETHANE ** hcfc 141b; CAS# 1717-00-6; RTECS# N/A; OSHA PEL N/D; AIHA WEEL COMMITTEE 500ppm. TLV:
 Not Available; % IN PROD: > 90
 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: A D2B

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:

Based on limited test data inhalation at low levels (app. 2000 ppm) may lead to mild central nervous system (CNS) effects such as headache, dizziness, nausea, irritation and loss of concentration. Extreme exposure to high levels (greater than 20,000 ppm) can result in CNS depression characterized by intoxication or stupor, cardiac arrhythmia (via possible cardiac sensitization to epinephrine) or possible death; and asphyxiation can occur especially in confined spaces. Ingestion may cause symptoms similar to those from inhalation. Skin and eye contact can cause irritation along with defatting of the skin and conjunctivitis of the eyes.

EFFECTS OF CHRONIC EXPOSURE:

Skin which is repeatedly defatted by contact with this product may be more susceptible to irritation, infection, or dermatitis.

PRIMARY ROUTES OF ENTRY: Inh.

SECTION IV - FIRST AID MEASURES

SKIN: Immediately flush contaminated skin with plenty of water for at least 15 minutes. Get medical attention immediately.

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) : 32	SPECIFIC GRAVITY : 1.24
FREEZING POINT (C) : Not Available	VOC CONTENT (CONCENTRATE) : 100.0%
VAPOR PRESSURE(mmHg) : 7600	EVAPORATION RATE (Ether =1) : >1
VAPOR DENSITY(AIR-1) : 4.1	pH(CONCENTRATE) : Not Available
SOLUBILITY IN WATER : slight	pH(USE DILUTION OF Not Available) : Not Available
APPEARANCE AND ODOR : A clear, thin liquid with a faint sweetish odor.	

SECTION VI - PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION:

PROTECTIVE CLOTHING: Wear nitrile 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: If ventilation is inadequate, wear a properly fitting MSHA or OSHA-approved respirator.

VENTILATION: Ventilation should be equal to outdoors. Use exhaust fans and/or exhaust hood in enclosed spaces.

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

Observe safety precautions in Section 6 during clean-up. Large spills are unlikely due to packaging. Spill may be absorbed on an inert absorbent material (e.g. Zep-O-Zorb), and placed in a suitable container for disposal. Wash area thoroughly with a detergent solution.

WASTE DISPOSAL METHOD:

Product is consumed in use. Do not crush, puncture, or incinerate spent containers. Large numbers of aerosol containers may require handling as a hazardous waste. Check local, provincial, and federal regulations for proper disposal methods in your area.

PRECAUTIONS TO BE TAKEN WHEN HANDLING AND STORING:

Do not store at temperatures above 120F (39C) or in direct sunlight. Container may burst if heated above 120F (39C). Do not puncture or incinerate container. Keep product away from skin and eyes. Do not breathe spray mists or vapors. Keep out of the reach of children Vapors are heavier than air and will accumulate at low points. Ventilation should include floor level exhausting. May form toxic and/or corrosive gases or fumes when heated. Avoid extended contact with aluminum & active metals.

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): Nonflammable CSMA

FLAMMABLE LIMITS : LOWER: 7.6% UPPER: 17.7%

CONDITIONS OF FLAMMABILITY: Strong acids & alkalis, oxidizers and active metals.

AUTOIGNITION TEMPERATURE (C) : Not Available

MEANS OF EXTINCTION: Carbon dioxide, dry chemical, and water fog.

FIRE FIGHTING: Wear self-contained positive pres. breathing apparatus.

FIRE HAZARD: May decompose to form toxic/corrosive gases.

HAZARDOUS COMBUSTION PRODUCTS: Hydrogen chloride, hydrogen fluoride, carbonyl halides such as phosgene, chlorine and fluorine.

EXPLOSION DATA: Not Available

SECTION VIII - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY(AVOID): Strong acids & alkalis, oxidizers and active metals.

REACTIVITY: Will not occur.

HAZARDOUS DECOMPOSITION: Hydrogen chloride, hydrogen fluoride, carbonyl halides such as phosgene, chlorine and fluorine.

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 : 15/05/96