



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 29/12/03
Supersedes 11/06/01
Product Name **GLASS CLEANER AEROSOL NEW**
Product No. **0019**
Aerosol Glass 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

**** ISOPROPYL ALCOHOL **** ipa; dimethylcarbinol; 2-pro_ panol; CAS# 67-63-0; RTECS# NT8050000 TLV: 400; % IN PROD: 3-7
LD50: 5045 mg/kg SPECIES: RAT ROUTE: ORL
LC50: Not Available SPECIES: Not Available ROUTE: Not Available

**** ACETONE **** dimethyl ketone; CAS# 67-64-1; RTECS# - AL3150000; OSHA PEL - 1000 ppm; ACGIH STEL - 750 ppm TLV: 500; % IN PROD: 3-7
LD50: Not Available SPECIES: Not Available ROUTE: Not Available
LC50: Not Available SPECIES: Not Available ROUTE: Not Available

**** BLEND OF [ISOBUTANE; CAS# 75-28-5; RTECS# TZ4300000] & [PROPANE; CAS# 74-98-6; RTECS# TX2775000] & [n-BUTANE; CAS# 106-97-8; RTECS# EJ4200000] **** OSHA PEL-1000 ppm TLV: 800; % IN PROD: 3-7
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 D2A 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:

Eye irritant. Eye contact may produce stinging, burning, inflammation and in extreme cases may produce corneal damage. Exposure may be irritating to skin, and upper respiratory tract. Accumulation of harmful quantities of vapor is pre- ceded by severe irritation which make over-exposure unlikely. Over-exposure can result in mild narcotic effects, including flushing, headache, dizziness, and nausea.

EFFECTS OF CHRONIC EXPOSURE:

Repeated or prolonged skin contact may produce some dryness of skin. Chronic effects from alcohol vapors are rare and would result from severe, prolonged and repeated contact, which is usually precluded by irritation. Ingestion of a small amount may cause nausea; larger amounts may cause narcosis, and in extreme cases death. None of the ingredients are listed as carcinogens by IARC, NTP, or OSHA.

PRIMARY ROUTES OF ENTRY: Eyes, Skin, Inh.

SECTION IV - FIRST AID MEASURES

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

EYES: Immediately flush contaminated skin with plenty of water for at least 15 minu- tes. Get medical attention if irritation develops.

INHALE: If symptoms occur, move affected person to fresh air. If symptoms persist, get medical attention promptly.

INGEST: This route of exposure is not likely due to product nature.

SECTION V - PHYSICAL DATA

BOILING POINT (C) : ~96.1
FREEZING POINT (C) : Not Available
VAPOR PRESSURE(mmHg) : Not Available
VAPOR DENSITY(AIR-1) : Not Available
SOLUBILITY IN WATER : COMPLETE
APPEARANCE AND ODOR : A CLOUDY, THIN, COLORLESS LIQUID WITH A PLEASANT FRAGRANCE
SPECIFIC GRAVITY : 0.978
VOC CONTENT (CONCENTRATE) : 11.9%
EVAPORATION RATE (WATER =1) : 1.0
pH(CONCENTRATE) : Not Available
pH(USE DILUTION OF Not Available) : Not Available

SECTION VI - PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION:

PROTECTIVE CLOTHING: As with all chemical products, prolonged skin contact should be avoided. Implement protective measures under conditions of prolonged use or exposure.

EYE PROTECTION: As with all chemical products, eye contact should be avoided. Implement protective measures based on conditions of use and potential for exposure.

RESPIRATORY PROTECTION: Avoid inhalation of spray mists, and do not direct spray toward people.

VENTILATION: Open air or good room ventilation is normally adequate for safe use of this product.

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. Do not puncture or incinerate container. Do not breathe spray mists or vapors. Keep product out of eyes. 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 Available CSMA

FLAMMABLE LIMITS : LOWER: Not Available UPPER: Not Available

CONDITIONS OF FLAMMABILITY: Heat, open flame, spark, and oxidizing agents.

AUTOIGNITION TEMPERATURE (C) : Not Available

MEANS OF EXTINCTION: Carbon dioxide, dry chemical and foam.

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

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

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, and other unidentified organic compounds.

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, and other unidentified organic compounds.

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 : 29/12/03