



**ZEP Manufacturing Company of Canada**  
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## Material Safety Data Sheet and Safe Handling and Disposal Information

### SECTION I - PRODUCT INFORMATION

**Issue Date** 08/04/98  
**Supersedes** 17/08/95  
**Product Name** **GLASS CLEANER AEROSOL**  
**Product No.** **0066**  
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: 10-20  
LD50: 5045 mg/kg SPECIES: RAT ROUTE: ORL  
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:

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. In most extreme cases, weakness, drowsiness or loss of consciousness could result.

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 if irritation develops.

**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:** 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  
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 : 0.95  
VOC CONTENT (CONCENTRATE) : 19.1%  
EVAPORATION RATE ( WATER =1) : 1.0  
pH(CONCENTRATE) : 10.2-10.7  
pH(USE DILUTION OF Not Available) : Not Available

### SECTION VI - PREVENTATIVE MEASURES

SPECIAL PROTECTION INFORMATION:

**PROTECTIVE CLOTHING:** The use of neoprene, nitrile or natural rubber gloves is strongly recommended, especially for prolonged contact.

**EYE PROTECTION:** Use of tight-fitting safety glasses or goggles is strongly recommended, especially when wearing contact lenses.

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

**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. 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

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**SECTION VII - FIRE AND EXPLOSION HAZARDS**

FLASH POINT(C) (METHOD USED): Nonflammable 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

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**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.

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**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 : 08/04/98