

## UNI-MIR

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	UNI-MIR
<b>Other Means of Identification</b>	Glass cleaner
<b>Other Identification</b>	0801
<b>Recommended Use</b>	Glass cleaner.
<b>Restrictions on Use</b>	For industrial and institutional use only.
<b>Supplier Identifier</b>	Distribution Pro-Expert Inc, 2572, Boul. Daniel Johnson, Laval, QC, H7T 2R3, Canada, 514-647-7780
<b>Emergency Phone No.</b>	Quebec Poison Control Centre, 1.800.463.5060 Canutec, +1 613.996.6666, 24/7
<b>SDS No.</b>	0349

## SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

**Classification**

Flammable liquid - Category 2; Skin irritation - Category 2; Eye irritation - Category 2B

**Label Elements**

Signal Word:

Danger

Hazard Statement(s):

Highly flammable liquid and vapour.

Causes skin and eye irritation.

Precautionary Statement(s):

Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical, ventilating, and lighting equipment.

Use explosion-proof equipment.

Use only non-sparking tools.

Take action to prevent static discharges.

Wash hands and skin thoroughly after handling.

Wear protective gloves/eye protection/face protection.

Response:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.  
Specific treatment (see supplemental first aid instruction on this label).  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.

**Storage:**

Store in a well-ventilated place. Keep cool.

**Disposal:**

Dispose of contents and container in accordance with local, regional, national and international regulations.

**Other Hazards**

Not applicable.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Ethyl alcohol	64-17-5	15.0 - 20.0		

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

**Inhalation**

Move to fresh air. Artificial respiration should be given if breathing has stopped and cardiopulmonary resuscitation if heart has stopped. Get medical attention immediately.

**Skin Contact**

Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. Remove contaminated clothing under running water. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. If skin irritation occurs, get medical advice or attention.

**Eye Contact**

Immediately hold eyelids open and flush with water for at least 15 minutes. Get immediate medical advice/attention.

**Ingestion**

Never give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. Do NOT induce vomiting. Have victim drink about 250mL (8fl. oz.) of water to dilute material in stomach. Get medical attention immediately.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media**

Alcohol-type or all-purpose type foams by manufacturers' recommended techniques for large fires. Use carbon dioxide or dry chemicals for small fires.

**Unsuitable Extinguishing Media**

Do not use direct water stream. May spread fire.

### Specific Hazards Arising from the Product

Vapours form from the product and may travel or be moved by air currents and ignited by pilot lights, other flames, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from handling point.

No information available.

### Special Protective Equipment and Precautions for Fire-fighters

Self-contained breathing apparatus and protective clothing. Use water to cool fire exposed containers.

See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

No special precautions are necessary. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Flush spill area.

### Other Information

Contact supplier, local fire and emergency services for help.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Keep away from heat and flames. Keep containers tightly closed when not in use or empty. Only use where there is adequate ventilation. Avoid breathing vapours. Avoid contact with eyes and skin. Wash thoroughly after handling. Take precautionary measures against static discharges.

### Conditions for Safe Storage

Keep container tightly closed and in a well-ventilated place. Store away from heat and light.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Individual Protection Measures

#### Eye/Face Protection

Avoid contact with eyes.

#### Skin Protection

Wear suitable protective clothing and gloves.

#### Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Colourless liquid.
Odour	Alcoholic
Odour Threshold	Not available
pH	6.7 - 9.3
Melting Point/Freezing Point	Not available (melting); < 0 °C (freezing)
Initial Boiling Point/Range	~ 100 °C
Flash Point	11 °C
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	0.95 - 1.00
Solubility	Soluble in water

<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Liquid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Heat. Sparks. Flames.

### Incompatible Materials

Strong acids (e.g. hydrochloric acid), strong oxidizing agents (e.g. perchloric acid).

### Hazardous Decomposition Products

Carbon oxides.

## SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Ethyl alcohol	Not available	7060 mg/kg (rat)	20000 mg/kg (rabbit)
Propylene glycol monomethyl ether	> 25.8 mg/L (rat) (6-hour exposure) (vapour)	4016 mg/kg (rat)	> 2000 mg/kg (rabbit)

### Skin Corrosion/Irritation

Causes skin irritation.

### Serious Eye Damage/Irritation

Causes eye irritation.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May cause respiratory irritation. May cause drowsiness or dizziness.

#### Skin Absorption

No known effects under normal use conditions. However, potentially harmful amounts of material may be absorbed across markedly abraded skin when contact is sustained particularly in children.

#### Ingestion

May cause dizziness, faintness, drowsiness, decreased awareness and responsiveness, euphoria, abdominal discomfort, nausea, vomiting, staggering gait, lack of coordination and coma.

### Aspiration Hazard

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No information was located.

#### **STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Long term repeated oral exposure to ethanol may result in the development of progressive liver injury with fibrosis. Long term exposure to methanol has been associated with headaches, giddiness, conjunctivitis, insomnia and impaired vision. Ethyl acetate is of relatively low toxicity.

#### **Respiratory and/or Skin Sensitization**

No information was located.

#### **Carcinogenicity**

Not known to cause cancer.

#### **Reproductive Toxicity**

##### **Development of Offspring**

No information was located.

##### **Sexual Function and Fertility**

No information was located.

##### **Effects on or via Lactation**

No information was located.

#### **Germ Cell Mutagenicity**

Not known to be a mutagen.

#### **Interactive Effects**

No information was located.

No information was located for: STOT (Specific Target Organ Toxicity) - Single Exposure, STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

## **SECTION 12. ECOLOGICAL INFORMATION**

This section is not required by WHMIS.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

#### **Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations.

## **SECTION 14. TRANSPORT INFORMATION**

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	UN1170	Ethyl alcohol solution with more than 24% ethanol, by volume (Isopropyl alcohol)	3	II

**Special Precautions** Not applicable

#### **Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## **SECTION 15. REGULATORY INFORMATION**

#### **Safety, Health and Environmental Regulations**

This section is not required by WHMIS.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Lalema inc. Laboratory

**Date of Last Revision** juin 21, 2022

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