



MATERIAL SAFETY DATA SHEET
709-008 / 710-016 / 710-032 / 712-01 / 713-05 / 714-55

Canutec 1-613-996-6666 (24 hours)

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product identification : 709-008 / 710-016 / 710-032 / 712-01 / 713-05 / 714-55
Product name : CLEAR
Synonyms : Glass cleaner
Chemical family : Mixture
Supplier / Manufacturer : Auto-Chem Inc.
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Repentigny, QC, Canada
J5Z 4Z3
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS	Percentage	Exposure limits
Isopropanol	67-63-0	5 – 10	LD50 >4710 mg/kg, rat, oral LD50 >12870 mg/kg, rabbit, dermal LC50 12000 ppm/8hrs, rat TWA 200 ppm (ACGIH) STEL 400 ppm (ACGIH)
Glycol ether EB	111-76-2	1 – 5	LD50 917 mg/kg, rat, oral LC50 450 ppm/4hrs, rat TLV TWA 20 ppm (ACGIH) PEL TWA 50 ppm (OSHA) REL TWA 5 ppm (NIOSH)

3. HAZARDS IDENTIFICATION

Routes of entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects :

Eye contact : Direct eye contact may cause temporary discomfort with mild redness and dryness.
Skin contact : A single prolonged exposure (24 to 48 hours) causes no known adverse effects.
Inhalation : No irritation to respiratory passages is expected from relatively short exposures of less than 8 hours.
Ingestion : Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort.

Potential chronic health effects :

Eye contact : None known.
Skin contact : Can cause skin dryness.
Inhalation : None known.
Ingestion : None known.

4. FIRST AID MEASURES

- Eyes : Rinse immediately with water or a saline solution for 15 to 20 minutes, lifting upper and lower eyelids. Remove contact lenses. Obtain medical attention if irritation develops.
- Skin : In case of direct contact, rinse with running water 15 to 20 minutes. Remove contaminated clothing and wash with soap and water.
- Inhalation : Remove person to fresh air. In case of respiratory failure, give artificial respiration. In case of respiratory distress, obtain medical attention.
- Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. In case of respiratory or cardiac arrest, start cardio-pulmonary resuscitation and obtain medical attention.

5. FIRE FIGHTING MEASURES

- Flash point : Non flammable
- Auto-ignition temperature : Not determined
- Flammability limits – air (%) : Not determined
- Extinguishing media : Carbon dioxide (CO₂), water spray, according to the nature of the fire. Dry chemical powder or water can be used to cool containers.
- Protective equipment : Fire fighters should wear full protective clothing, including self contained breathing equipment.
- Hazardous combustion materials : Carbon dioxide, carbon monoxide, traces of incompletely burned carbon compounds.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protection equipment.

- Small spill : Collect for elimination. Clean up remaining materials from spill with suitable absorbent.
- Large spill : Prevent entry into sewers or streams. Dike if needed. Pump (if possible) and store in a suitable container. Clean surfaces to reduce risk of slippage.

7. HANDLING AND STORAGE

- Handling : Safety glasses and gloves.
- Storage : Keep container closed. Do not freeze.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering controls : General ventilation of work area is recommended.

Personal protection equipment for routine handling :

- Eye : Use adequate protection – safety glasses at a minimum.
- Skin : Long sleeve clothes.
- Gloves : Latex, nitrile, rubber, PVC.
- Inhalation : Not required for routine handling.

Personal protection equipment for spills :

Eyes : Use adequate protection – safety glasses at a minimum.
Skin : Long sleeve clothes.
Gloves : Latex, nitrile, rubber, PVC.
Inhalation : Mask with approved organic vapour cartridge.

Note : These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require added protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Transparent liquid.
Colour : Blue.
Odour : Citrus.
pH @ 1% : 9.1
Relative density (g/cm³) : 0.97
Boiling point : 100 C
Freezing point : 0 C
Vapour pressure : Not determined.
Volatiles (weight) : Not determined.
Solubility (water) : Soluble.
VOC (%) : Not determined.
Viscosity : Not determined.

10. STABILITY AND REACTIVITY

Chemical stability : Stable.
Hazardous polymerization : No.
Conditions to avoid : None known.
Materials to avoid : Strong acids, strong oxydants.
Dangerous decomposition products : Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

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Potential chronic health effects :

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Carcinogenic effects: None known.
Mutagenic effects: None known.
Teratogenic effects: None known.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Waste disposal method : Dispose according to municipal, provincial and federal regulations.
Contaminated packaging : According to municipal, provincial and federal regulations.

14. TRANSPORT INFORMATION

Not regulated for transport.

15. REGULATORY INFORMATION

WHIMS : D2A Materials causing other toxic effects.

DSL : All components of this product are either on the Domestic Substance List (DSL), the Non-Domestic Substance List (NDSL) or exempt.

TSCA : U.S. TSCA Inventory Status : All components of this product are either on the Toxic Substances Control Act Inventory List or exempt.

16. OTHER INFORMATION

Prepared by : Auto-Chem Inc.

Date : Sept. 2015

Notice to reader :

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