

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number 710 - aerosol
Product name GLASS CLEANER 500g./18.5 oz.
Use For cleaning plastics, chrome and countertops.
Effective date November 30, 2009
Manufacturer/packaging DISTRIBUTORS CHOICE CHEMICALS
 Suite 333 - 6021 Yonge Street
 Toronto, Ontario
 M2M 3W2
 Tel. (416) 703-8446 Fax. (416) 222-7511
Emergency contact **Canutec** (613) 996-6666 collect 24 hours

2. Hazards Identification

WHMIS Codes A, D2B
NFPA Ratings Health 1 Flammability 0 Reactivity 0
HMIS Ratings Health 1 Flammability 0 Reactivity 0
Potential health effects
Eyes Produces irritation, characterized by a burning sensation, redness, tearing, inflammation and possible corneal injury.
Skin May cause skin irritation with pain and stinging, especially if skin is abraded.
Inhalation Inhalation of high concentrations may cause central nervous system effects characterized by headache and dizziness.
Ingestion May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause kidney damage and central nervous system depression.
Chronic May cause liver and kidney damage.

3. Composition / Information on Ingredients

CAS#	Chemical Name	Percentage by Weight	ACGIH TWA	Osha PeI	Osha Stel
n/a	deionized water	70 - 80	n/a	n/a	n/a
67-63-0	2-propanol	5 - 15	400ppm	400ppm	500ppm
106-97-8	isobutane	4 - 9	800ppm	800ppm	n/e
111-76-2	2-butoxyethanol	3 - 6	25ppm	50ppm	n/e

4. First Aid Measures

First aid procedures

Eye contact Remove contact lenses. Flush with water or saline for 20 minutes. Get medical aid.
Skin contact Wash skin with large quantities of soap and water. Get medical aid if symptoms persist.
Inhalation Immediately remove from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Ingestion Do not induce vomiting. If conscious, give 1-2 glasses of water. Get medical aid.

5. Fire Fighting Measures

Auto ignition temperature 455°C Flash Point: n/a LEL / UEL: 2 / 12
Extinguishing media Use water spray, dry chemical, carbon dioxide (CO2) or chemical foam.
General Information Containers may explode in the heat of a fire.

6. Accidental Release Measures

Spill procedure Remove all sources of ignition. Provide adequate ventilation. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container. Wash spill area with soap and water.

7. Handling and Storage

Handling Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Do not ingest or inhale. Do not expose container to heat or flame.

Storage Keep from freezing. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure Controls / Personal Protection

Routes of entry Eyes, ingestions, inhalation and skin.

Ventilation Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

Personal protection Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

9. Physical & Chemical Properties

Physical state Aerosol
Odor Alcohol
Solubility Complete
Evaporation rate 1
Boiling point 82°C
Specific gravity 0.98
Vapor pressure 38PSI@21°C
Vapor density 2.1 PH:7 (Air = 1)

10. Chemical Stability & Reactivity Information

Chemical stability Stable at normal temperatures and pressures.

Conditions to avoid Temperatures over 40°C, ignition sources, and incompatible substances.

Incompatibilities Strong oxidizers, acetaldehyde, chlorine, ethylene oxide, acids and isocyanates, hydrogen + palladium, nitroform, oleum, phosgene, oxygen, aluminum, aluminum triisopropoxide, trinitromethane, barium perchlorate, tetrafluoroborate, chromium trioxide, sodium dichromate + sulfuric acid.

Polymerization Will not occur.

Decomposition Carbon monoxide, carbon dioxide, acrid smoke and fumes.

11. Toxicological Information

Sensitization (effects of repeated exposure) Repeated skin contact may cause defatting of the skin resulting in dermatitis. Long term intensive inhalation may cause benign lung fibrosis.

Carcinogenicity (risk of cancer) No

Teratogenicity (risk of malformation in an unborn fetus) No

Reproductive Toxicity (risk of sterility) No

Mutagenicity (risk of heritable genetic effects) No

Lethal exposure concentrations Rat Ingestion (LD50): 5000 mg/kg
Rat Inhalation (LC50): 10,000ppm/4h
Skin (LD50): n/e

12. Ecological Information

General information	Avoid runoff into storms and sewers which lead into waterways. Water runoff can cause environmental damage.
Environmental impact data (percentage by weight)	CFC: 0 HFC: 0 CH1.Solv: 0 VOC: 1 CFC: 0 ODP: 0

13. Disposal Considerations

General information	Dispose in accordance with all local, provincial, state and federal regulations. Water runoff can cause environmental damage.
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14. Transport Information

Basic shipping requirements:

Ground	Consumer commodity, ORM-D
Air	Shipper must be trained and certified. Refer to IATA regulations.
Sea	Shipper must be trained and certified. Refer to IMDG regulations.

15. Regulatory Information

General Information	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.
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SARA (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

None of the chemicals in this product have a reportable quantity

EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product does not contain any chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

CAA (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.
This product does not contain any class 2 ozone depleting substances.
This product does not contain any chemicals listed as hazardous air pollutants.

California Proposition 65 (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product does not contain any chemicals listed.

Health Canada

Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Container regulations.

Environment Canada

Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act.
This product does not contain any ozone depleting substances.

Industry and Science Canada

Labeling, product identity, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance with the Consumer Packaging and Labeling Act and Regulations. This product is not slack filled in accordance with chapter 4 prohibitions.

RoHS (The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2004)

This product is RoHS compliant.

16. Other Information

Definitions	n/a = not applicable n/e = not established
Disclaimer	This material safety data sheet is provided as an information resource only. Distributors Choice Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, provincial and local regulations.