

MATERIAL SAFETY DATA SHEET



Glass Cleaner

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Glass Cleaner
Product Use: Glass ready-to-use cleaner
WHMIS Class: B3, D2B
TDG Classification: Not regulated, if in a consumer packaging
In bulk shipment: Class 3.3
PIN Number: UN 1170
TDG Shipping Name: Alcohol Exempt
IATA: Not regulated

Manufacturer: Aspen Clean Inc
Address: 100-657 Marine Dr
West Vancouver, BC
V7T 1A4

Supplier: Aspen Clean Inc
Address: 100-657 Marine Dr
West Vancouver, BC
V7T 1A4

Emergency #: 604-925-9900

WISH:
Health: 1
Flammability: 2
Reactivity: 0
Personal Protection: F

SECTION 2: INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	TLV	LC50	LD50
Ethanol	64-17-5	1-3%	1000 ppm	31.623/kg rat	7.060 mg/kg (oral/rat)

None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.

All active ingredients in this product are derived from readily biodegradable, renewable plant sources or naturally occurring minerals. This product is EcoCert certified, complying with EcoCert Standard France 32600.

SECTION 3: PHYSICAL DATA

Boiling Point (°C): Mostly 100°C
Vapor Pressure (mm Hg): N. A.
Vapor Density (Air=1): N.A.
Solubility in Water: Soluble
Physical State: Liquid
Appearance and Odour: Transparent colorless liquid with vinegar and lime scent

Specific Gravity: (H₂O=1): 0.982 g/ml at 20°C
% Volatile (Wt%): 99 %
Evaporation Rate (water=1): <1
pH (as supplied): ~3.2
Viscosity (cps): <10 cps at 25 °C
Odour Threshold (ppm): N.A.

SECTION 4: FIRE AND EXPLOSION DATA

Flammability: Combustible liquid
Flash Point (TCC, °C): 56°C
Hazardous Combustion Products: Carbon oxides, volatile organic compounds
Autoignition Temperature (°C): Not known
Means of Extinction: Dry chemicals, water fog, carbon dioxide, foam, sand or earth
Special Fire Hazards: Not applicable

SECTION 5: REACTIVITY DATA

Conditions for Chemical Instability: Stable. It does not polymerize.

MATERIAL SAFETY DATA SHEET



Glass Cleaner

Incompatible Materials: Strong oxidizing agents, alkalis, excessive heat and ignition sources
Reactivity and under what conditions: Heat.
Hazardous Decomposition Products: None if adequately stored. Carbon and volatile organic compounds are generated upon strong heating to dryness or combustion.

SECTION 6: TOXICOLOGICAL PROPERTIES

Route of Entry: Eyes, skin, ingestion, inhalation

Effects of Acute Exposure:

Eyes: Irritation, redness, pain. Can produce conjunctivitis.
Skin: Mild irritation upon contact. Can produce redness and skin dryness.
Ingestion: Irritating and toxic. Pronounce bitter taste. Can cause mouth and esophagus irritation, nausea, vomiting, diarrhea, drunkenness symptoms if a large quantity is swallowed.
Inhalation: Can cause headache, nausea and drunkenness symptoms if inhaled in large quantity for a long period of time (bulk production).

Effects of Chronic Exposure:

Irritancy: Possible eye and skin irritation upon prolonged and repeated contact with the product
In bulk.
Skin Sensitization: Repeated or prolonged use may produce sensitization on some persons.
Carcinogenicity: None of the ingredients are listed on IARC, OSHA or NTP.
Non-hazardous by WHIMIS/OSHA criteria.

**Teratogenicity, Reproductive
Effects:** N.A.

Mutagenicity: N.A.

Synergistic Materials: Not known

SECTION 7: PREVENTIVE MEASUREAS

Gloves: Plastic or rubber gloves to manipulate large quantities in bulk
Eye Protection: Safety glasses with side shields to manipulate product in bulk
Respiratory Protection: Not required, if adequate ventilation is available. Otherwise wear a respiratory mask with VOC cartridges.
Other Protective Equipment: Water proof boots and apron in case of large spill
Engineering Controls: Local exhaust to handle the product in bulk
A safety shower with eye wash station must be available nearby.
Leak and Spill Procedure: Wear personal protection equipment. Stop the leak. Pump the product into drums for disposal. Keep spills clear of flames and sparks. Absorb with inert material such as earth, sand and vermiculite. Rinse off with water.
Waste Disposal: Dispose of through a licensed waste management company. Dispose of in accordance with all local, provincial/state and federal regulations.
Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Keep in original tightly closed containers, in a room below 30 °C.

SECTION 8: FIRST AID MEASURES

Eyes: Remove contact lenses. Rinse with plenty of water for at least 15 minutes.
Call a physician if there is any irritation.

MATERIAL SAFETY DATA SHEET



Glass Cleaner

- Skin:** Rinse off with water. Remove contaminated clothes and launder before reuse. Apply a moisturizing cream if the skin is dry. Seek medical attention if discomfort persists.
- Inhalation:** Move victim to fresh air. Treat drunkenness symptoms if required. Seek medical attention if breathing is difficult, or if irritation persists.
- Ingestion:** Do not induce vomiting. Drink a few glasses of water. Rinse the mouth with water, using toothpaste to remove the taste. If vomiting naturally happens, have the person lean forward to reduce the risk of aspiration. Seek medical attention if any discomfort occurs. Treat drunkenness symptoms if required.

SECTION 9: PREPARATION INFORMATION

- Date:** December 21, 2009
- Prepared by:** Aspen Clean Inc
- Phone:** 604-925-9900

Disclaimer:

Information on this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirement of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damage which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Center for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal (514-873-3990).