



MR. JANITORIAL SUPPLIES
1125 KERRISDALE BLVD.
NEWMARKET, ON, L3Y 8W1
CANADA
905-836-4250

PRODUCT: CLARITY GLASS & WINDOW CLEANER
SECTION 01: IDENTIFICATION

Supplier identifier..... Mr. Janitorial Supplies
1125 Kerrisdale Blvd.
Newmarket , ON L3Y 8W1
CA
905-836-4250

Product identifier..... CLARITY GLASS &
WINDOW CLEANER

Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).

Product use..... Glass cleaner.

SECTION 02: HAZARD IDENTIFICATION


Hazard classification..... Flammable Liquids — Category 3.

Signal word..... WARNING.

Hazard statement..... H226 Flammable liquid and vapour.

Precautionary statements..... P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharge. P280 Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P370+P378: In case of fire: Use dry chemical, alcohol foam, carbon dioxide or water spray to extinguish. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container to an approved waste disposal plant.

Other hazards..... None.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Isopropyl alcohol	67-63-0	7.5-8

SECTION 04: FIRST-AID MEASURES

Routes of exposure

Inhalation..... Remove to fresh air. If irritation persists, consult a physician.

Ingestion..... Never give anything by mouth to an unconscious person. Rinse mouth and then drink plenty of water. Do not induce vomiting. . Get medical aid.

Skin contact..... Remove contaminated clothing. Wash thoroughly with soap and water. If irritation develops, get medical aid.

Eye contact..... Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Most important symptoms and effects, both acute and delayed . The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

SECTION 05: FIRE-FIGHTING MEASURES

Extinguishing media..... Use water spray or fog, foam, carbon dioxide or dry chemical.

Hazardous combustion products..... Carbon oxides. Harmful vapours. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment and precautions for firefighters..... Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Sensitivity to static discharge..... Expected to be sensitive. Take precautionary measures against static discharge.

Sensitivity to mechanical impact..... Product is not sensitive to mechanical impact.

Further information..... Vapors are heavier than air and may flow along surfaces to remote ignition sources and flash back.

PRODUCT: CLARITY GLASS & WINDOW CLEANER

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Use personal protective clothing. Eliminate all sources of ignition. Ventilate area if indoors.
 Environmental precautions..... Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods.
 Methods and materials for containment and cleaning up Absorb with suitable material and remove with sparkless shovel and/or scoop. Do not use combustible absorbents, such as sawdust. Pick up wipe and place into an appropriate container for disposal. Do not place into containers where ignition sources such as cigarettes or other ignition sources may be discarded. Contaminated absorbent material may pose the same hazards as the spilled product. For large amounts: Pump off product.

SECTION 07: HANDLING AND STORAGE

Handling precautions..... Avoid contact with eyes. Avoid breathing vapors. Do not smoke when handling. Vapours may travel to areas away from work site before igniting/flashing back to vapour source.
 Storage needs..... Store in a cool, dry location away from heat, sparks and open flames. Protect container from physical damage. Keep containers tightly closed when not in use.
 Materials to avoid..... Keep away from oxidizing agents.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Isopropyl alcohol	200 ppm	400 ppm	400 ppm	500 ppm		no data available

Engineering controls..... Good general ventilation (typically 10 air changes per hour) should be used.
 Individual protection measures
 Eye/type..... Safety glasses with side-shields.
 Gloves/ type..... None required under normal conditions of use. For prolonged exposure, use butyl rubber gloves.
 Respiratory/type..... Generally not required. Wear respiratory protection if ventilation is inadequate.
 Hygiene measures..... Handle in accordance with good industrial hygiene and safety practice. Wear clean long legged, long sleeved work clothes.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance..... liquid.
 Color..... blue.
 Odour..... ammonia.
 Odour threshold..... no data available.
 pH..... 5-7.
 Melting point (°C)..... not applicable.
 Freezing point (°C)..... < 0.
 Initial boiling point (°C)..... 83.
 Flash point (°C), Method..... 42 CC.
 Evaporation rate..... no data available.
 Upper flammability limit (% vol)..... 12.
 Lower flammability limit (% vol)..... 2.
 Vapour pressure (mm Hg)..... 17.5.
 Vapour density (air=1)..... > 1.
 Relative density/Specific Gravity..... 0.984-0.987.
 Water solubility..... soluble.
 Solubility in other solvents..... no data available.
 Partition coefficient — n-octanol/water..... no data available.
 Auto ignition temperature (°C)
 Thermal decomposition temperature..... no data available.
 Viscosity..... thin liquid.

SECTION 10: STABILITY AND REACTIVITY

Reactivity..... No hazardous reactions if stored and handled as prescribed/indicated.
 Chemical stability..... The product is stable if stored and handled as prescribed/indicated.
 Possibility of hazardous reactions..... No hazardous reactions when stored and handled according to instructions. The product is chemically stable.
 Conditions to avoid..... Keep away from heat. Keep away from sources of ignition. Keep away from incompatibles such as oxidizing agents .
 Incompatible materials..... Strong oxidizing agents.
 Hazardous decomposition products..... Decomposition will not occur if handled and stored properly. In case of fire, oxides of carbon (CO and CO2), fumes and smoke may be produced.

PRODUCT: CLARITY GLASS & WINDOW CLEANER**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Isopropyl alcohol	41.7 mg/l (Inhl. rat, 4h)	4,720 mg/kg (oral,rat); 12,890 mg/kg (dermal, rabbit)
Routes of exposure Inhalation Ingestion Skin contact Eye contact		
Acute effects		
Acute oral toxicity.....	Acute toxicity estimate > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single ingestion.	
Acute dermal toxicity.....	LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.	
Acute inhalation toxicity.....	Acute toxicity estimate : > 20 mg/l. Virtually nontoxic by inhalation. Method: calculation method.	
Skin corrosion/irritation.....	Result: slight irritation.	
Serious eye damage/eye irritation.....	Result: Mild eye irritation.	
Respiratory or skin sensitisation.....	Non-sensitizing.	
Specific target organ toxicity (STOT) single exposure	Based on the available information there is no specific target organ toxicity to be expected after a single exposure.	
Aspiration hazard.....	No aspiration hazard expected.	
Chronic toxicity/effects		
Specific target organ toxicity (STOT) repeated exposure	No known significant effects or critical hazards.	
Carcinogenicity.....	No carcinogenic substances as defined by IARC, NTP, OSHA and/or ACGIH.	
Reproductive toxicity.....	No known significant effects or critical hazards.	
Germ Cell Mutagenicity.....	No known significant effects or critical hazards.	
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components.	
Symptoms of Exposure.....	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	There is a high probability that the product is not acutely harmful to aquatic organisms.
Persistence and degradability.....	The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.
Bioaccumulative potential.....	Biodegrades readily under aerobic and anaerobic conditions. No tendency to bioaccumulate.
Mobility in soil.....	No data available.
Other adverse effects.....	No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods	
Waste disposal of substance.....	Dispose of in accordance with national, state and local regulations.
Container disposal	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

SECTION 14: TRANSPORT INFORMATION

TDG classification.....	Not regulated as a dangerous good.
-------------------------	------------------------------------

SECTION 15: REGULATORY INFORMATION

WHMIS regulatory status.....	This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015). This product is WHMIS 2015 controlled.
------------------------------	---

SECTION 16: OTHER INFORMATION

Disclaimer.....	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.
-----------------	--

PRODUCT: CLARITY GLASS & WINDOW CLEANER

SECTION 16: OTHER INFORMATION

Prepared by: CanChem Consultant
Preparation date..... DEC 01/2016