



Safety Data Sheet

Section 1. Identification		
Product Identifier	20/20 Glass Cleaner	Version: 8 Effective Date: 24 November 2020
Other Means Of Identification	None	
Initial Supplier Identifier	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
Recommended Use And Restrictions on Use	Concentrated glass cleaner No restrictions	
Product Family	Blend	
Emergency Phone	1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST	

Section 2. Hazard Identification	
Hazard Classification	 
Physical Hazards	Flammable Liquids - Category 2
Health Hazards	Eye Damage/Irritation - Category 2 Specific Target Organ Toxicity (single exposure) - Category 3
Signal Word	Danger
Hazard Statement	Highly flammable liquid and vapour. Causes eye irritation. May cause drowsiness or dizziness.
Precautionary Prevention Statement	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use non sparking tools. Use explosion proof electrical, venting and lighting equipment. Take action to prevent static discharge. Wear protective gloves, clothing, eye and face protection. Wash thoroughly after handling. Avoid breathing fumes, mist, vapours and spray. Use only outdoors or in a well ventilated area.
Precautionary Response Statement	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

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	<p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.</p> <p>In case of fire: Use dry chemical, alcohol resistant foam, carbon dioxide</p>
Precautionary Storage Statement	Store in a well ventilated place. Keep container cool, closed and locked up.
Precautionary Disposal Statement	Dispose of contents/container in accordance with local regulations.
Other Hazards	None

Section 3. Composition / Information on Ingredients

Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Isopropanol	Isopropyl alcohol	67-63-0	30 - 50
Balance of ingredients are considered non-hazardous and constitute a proprietary blend			

Section 4. First-Aid Measures

Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	Flush area with water. If irritation persists seek medical attention. Launder clothing before reuse.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Ingestion	Rinse mouth with water if conscious. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
Most Important Symptoms and Effects Both Acute and Delayed	May cause eye irritation, watering and redness. In case of inhalation it may cause nausea and vomiting, headache, drowsiness, dizziness and unconsciousness.
Immediate Medical Attention and Special Treatment	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitations.

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Section 5. Fire-Fighting Measures	
Suitable and Unsuitable Extinguishing Media	Dry chemical, alcohol resistant foam, carbon dioxide. Do not use direct water jet.
Hazardous Combustion Products	Carbon monoxide and dioxide
Specific Hazards Arising from the Product	Highly flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
Precautions for Fire-Fighting	Fire-fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.

Section 6. Accidental Release Measures	
Personal Precautions, Protective Equipment and Emergency Procedures	Gloves (nitrile), coveralls (Nomex), safety glasses. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Environmental Precautions	Do not allow product to enter surface drains and watercourses
Methods and materials for Containment and Clean Up	Stop leak, soak or pump up spilt material. Place in a suitable container for disposal. Wash area with water to remove residues.

Section 7. Handling and Storage	
Precautions for Safe Handling	Flammable liquid. Handle with care.
Conditions for Safe Storage	Store in a cool dry place away from all sources of ignition. Empty containers may have flammable residues present. Keep container closed when not in use. Ground containers when in use.

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Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
Isopropanol	200 ppm	400 ppm		
	CAD AB OEL	CAD AB OEL		
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	Use with adequate ventilation. Ensure eye wash station and safety shower are available.			
Individual Protective Measures	Under normal conditions of use these are not normally required.			
Eye / Face Protection	Safety glasses.			
Skin Protection	Gloves (nitrile), coverall (Nomex), chemical resistant footwear			
Respiratory Protection	If exposure limits are exceeded an air purifying respirator fitted with organic vapour cartridges must be worn.			

Section 9. Physical and Chemical Properties	
Appearance	Clear, blue liquid with alcohol odour
Odour	Alcohol
Odour Threshold	Not available.
pH	Not applicable.
Flash Point	>37 °C
Boiling Point and Boiling Range	No data
Melting Point and Freezing Point	No data
Evaporation Rate	Not determined
Flammability (solid, gas)	N/A
Upper and Lower flammability or Explosive Limits	No data
Vapour Pressure	Not determined
Vapour Density	Not determined
Relative Density	0.915
Solubility	Completely soluble
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	Not determined
Decomposition Temperature	No data
Viscosity	No data

Section 10. Stability and Reactivity	
Reactivity	Stable



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Chemical Stability	Stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	Naked flames. Sparks and sources of ignition
Incompatible Materials	Acids, aldehydes, alkalis, amines, ethylene oxide, halogenated hydrocarbons, halogens, isocyanates, strong acid, strong oxidizing agents. Do not use with aluminium equipment at temperatures above 49° C.
Hazardous Decomposition Products	Not expected to occur under normal conditions of use.

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isopropanol	4700–5800 mg/kg	5030–7900 mg/kg	16000 ppm
Likely Routes of Exposure			
Skin:	May cause mild irritation. Prolonged contact may cause dryness, cracking and possible skin burns.		
Eyes:	May cause irritation of the eyes, including stinging, redness and tearing.		
Inhalation:	Inhalation of vapours and mists may cause irritation to the upper respiratory tract.		
Ingestion:	May cause severe irritation of the gastro intestinal tract. Ingestion may cause vomiting, which can lead to aspiration of the material – this can cause lung damage and inflammation of lung tissue.		
Acute Toxicity Estimates (ATE)	Not classified		
STOT (Specific Target Organ Toxicity) – Single Exposure	Narcotic effects		
Aspiration Toxicity	Not classified		
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Not classified		
Skin Corrosion / Irritation	Not classified		
Serious Eye Damage / Irritation	Irritating		
Respiratory or Skin Sensitization	Not classified		
Carcinogenicity	Not listed		



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Reproductive Toxicity	
- Sexual Function and Fertility	Not classified
- Development of Offspring	Not classified
- Effects on or via Lactation	Not classified
Germ Cell Mutagenicity	Not classified
Interactive Effects	Not classified
Other Information	None known

Section 12. Ecological Information	
Ecotoxicity	Isopropanol: LC50: 5770 – 7450 mg/L (Fathead minnow) 96 hr Flow through LC50: 10,000 mg/L (Water flea) 24 hr Static
Persistence and Degradability	Will not persist
Bioaccumulative Potential	No data
Biodegradability	Expected to be completely biodegradable
Mobility in Soil	No data
Other Adverse Effects	None known

Section 13. Disposal Considerations	
Disposal Considerations	Dispose of in accordance with local, provincial, and federal regulations.

Section 14. Transport Information	
UN Number	1219
UN Proper Shipping Name	Isopropanol Solution
Transport Hazard Class(es)	3
Packaging Group	II
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	129

Section 15. Regulatory Information	
Safety, Health and Environmental Regulations	N/A
Canada – DSL Inventory	All components of this product are either on the Domestic Substances List (DSL), Non-Domestic Substances List (NDSL), or exempt
TSCA	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
Additional Information	None

Section 16. Other Information	
NFPA Rating	Health-1/ Flammability-3/Reactivity-0/Special Hazard-Not applicable
HMIS Rating	Health-1/Flammability-3/Reactivity-0/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
Date Prepared:	17 August, 2012
Date of Latest Revision:	24 November 2020
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