



MATERIAL SAFETY DATA SHEET

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GLASS CLEANER PART NO. 52185

SECTION I – IDENTITY INFORMATION

Product Name : Glass Cleaner

SECTION II – HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS#</u>	<u>ACGIH</u> <u>TLV</u>	<u>OSHA</u> <u>PEL</u>	<u>VAPOR PRESSURE</u> <u>MM Hg @ TEMP</u>		<u>WGT%</u>
2-Propanol, Isopropyl Alcohol	67-63-0	400 PPM	400 PPM	33	68	2
*2-Butoxyethanol, Glycol Ether EB	111-76-2	25 PPM	25 PPM	.6	68	2
Butane	106-97-8	800 PPM	800 PPM	1640	68	4
Propane	74-98-6	Asphyxiant	1000 PPM	6350	68	1

* Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (Range) : -44⁰F to 336⁰F
Specific Gravity (H₂O=1) : 0.96
Vapor Density : Unknown
Evaporation Rate : Unknown
Solubility in Water : Complete
Appearance and Odor : Aerosol product

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) : -156⁰F (Estimated)
Flammable Limits in Air by Volume : Lower – 1.1 Upper – 12.7
Extinguishing Media : Foam, alcohol foam, CO₂, dry chemical, water fog.
Special Fire Fighting Procedures : Water spray may be ineffective. Water may be used to cool containers to prevent pressure build up and explosion when exposed to extreme heat. If water is used, fog nozzles preferred. Wear

goggles and self-contained breathing apparatus.

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Unusual Fire and Explosion Hazards : Closed Containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will not support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.

SECTION V – REACTIVITY DATA

Stability : Stable
Conditions to Avoid : Application to hot surfaces. Storage above 120⁰F. Exposure to open flame.
Incompatibility (Materials to Avoid) : Oxidizing agents.
Hazardous Decomposition or Byproducts : May produce fumes when heated to decomposition. Fumes may contain carbon monoxide.
Hazardous Polymerization : Will not occur.

SECTION VI – HEALTH HAZARD DATA

HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Inhalation : Respiratory irritation, headache, nausea, fatigue, drowsiness, impaired co-ordination.
Skin Contact : Contact may dry the skin. Prolonged contact may cause irritation .
Eyes : Liquid or vapor can irritate.
Skin Absorption : Can be absorbed. Solvent action can dry and defat the skin causing the skin to crack, leading to dermatitis.

HEALTH HAZARDS (ACUTE AND CHRONIC):

Acute : Eye irritant. Skin irritant.
Chronic : Unknown.

Medical Conditions Generally Aggravated by

Exposure : None known.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation : Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.
Skin : Wipe off with towel. Wash with soap and water. Get medical attention if irritation persists.
Eyes : Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in Case Material is released or Spilled	: Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal.
Waste Disposal Method	: Dispose of in accordance with local, state and federal regulations. Before attempting clean-up, refer to other sections of this MSDS for hazard caution information.
Precautions to be Taken in Handling and Storing	: Store and use in cool, dry, well ventilated areas. Do not store above 120 ⁰ F. Do not puncture or incinerate (burn) cans. Do not stick pin, nail or any other sharp object into opening on top of can. Do not spray in eyes. Do not take internally.
Other Precautions	: The storage of non-flammable products with non-flammable pressurizing agent, in cartons, is the same as for ordinary canned goods in cartons.

SECTION VIII – CONTROL MEASURES

Respiratory Protection	: None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved airline type respirator or hood. Self-contained breathing apparatus is required for vapor concentrations above PEL/TLV Limits.
Ventilation	: Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below acceptable limit and LEL below stated limit.
Protective Gloves	: None under normal use. Solvent resistant required for prolonged or repeated contact.
Eye Protection	: None under normal use; however, use of safety glasses with splash guards or full face shield is recommended.
Other Protective Clothing or Equipment	: None under normal use; however, use of solvent resistant aprons or other clothing is recommended.
Work/Hygienic Practices	: Eye washes and safety showers in the workplace are recommended.

SECTION IX – HAZARD COMMUNICATION CODES

HMIS CODES:

Health	:	1
Flammability	:	2
Reactivity	:	0

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