

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's
Hazard Communication Standard, 29 CFP 1910.1200.

NPCA Hazardous Materials Identification System

SPECIFIC HAZARD	PERSONAL PROTECTION
4 - Severe	X - Ask Supervisor
3 - Serious	A - Safety Glasses
2 - Moderate	B - Goggles, Gloves
1 - Slight	C - Goggles, Gloves, Apron
0 - Minimal	D - Goggles, Gloves, Apron, Faceshield

IDENTITY (As used on LABELS and LIST)

GLASS CLEANER CONCENTRATED
STN 593

Health (3) **Reactivity (1)**
Flammability (03) **Personal Protection (C)**

Section I

MFGR'S NAME AND ADDRESS: **HUNTER CHEMICAL & FORMULATING, CO., INC.**
1300 ALDEN ROAD - ORLANDO, FL 32803 -1895

EMERGENCY TELEPHONE NUMBER: (407) 898-4341 **Date Prepared:**
Telephone Number for Information: (407) 898-4341 06/18/95

Section II - Hazardous Ingredients/Identity Information

Hazardous Components Specific Chemical Identity Common Name(s)	OSHA PEL	ACGIH TLV	Other LIMITS Recommended	% Optional
*Isopropanol **CAS# 67-63-0	400PPM	400PPM *		6.7
***2-Butoxyethanol CAS# 111-76-2	50PPM	75PPM		19.0

* ACGIH - Short term exposure limit for Isopropyl Alcohol is 500PPM.

NIOSH - Recommends a limit of 400PPM, 8-hour TWA 800PPM-Ceiling

** Skin absorption may potentially contribute to the overall exposure to this material. Appropriate measures should be taken to prevent absorption so that the TLV is not invalidated.

***This mixture contains 19.0% of 2-Butoxyethanol which is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

SECTION III - PHYSICAL/ CHEMICAL CHARACTERISTICS

BOILING POINT (F) Over 205°F	SPECIFIC GRAVITY (H₂O=1)	0.8381
VAPOR PRESSURE (mm Hg.) N/A	MELTING POINT	N/A
VAPOR DENSITY (air=1) N/A	EVAPORATION RATE	Greater than 1
SOLUBILITY IN WATER Complete	(Butyl Acetate=1)	

APPEARANCE AND ODOR: Clear blue, thin liquid with a solvent odor.

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	LEL	UEL
Closed Cup - 65°F	N/A	N/A	N/A

EXTINGUISHING MEDIA: Alcohol Foam or Carbon Dioxide or Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static charges, or other ignition sources at locations distant from handling point.

