



MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Glass Cleaner (quarts)	PACK	6 / 32 oz.
PRODUCT CODE	4107314		

EMERGENCY TELEPHONE NUMBERS

ISSUE DATE	02-25-02
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Medical Information: (800) 228-5635 x161
 Transportation: (800) 424-9300 *

* For spill, leak, fire or transport accident emergencies.

Product Information: (281) 584-1790

MANUFACTURER Sysco Chemical
 STREET ADDRESS 1390 Enclave Parkway
 CITY, STATE, ZIP Houston, Texas 77077

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT

EXPOSURE LIMITS

* - (see note below) CAS No. % by wt. OSHA PEL ACGIH TLV NIOSH REL

	CAS No.	% by wt.	OSHA PEL	ACGIH TLV	NIOSH REL
Water	7732-18-5	> 90	None	None	None
Sodium lauryl sulfate	151-21-1	< 1	None	None	None
Propylene glycol butyl ether	5131-66-8	< 1	None	None	None

* - Asterisk ingredients are those considered hazardous according to the criteria of 29CFR 1910.1200.
 Other ingredients are listed for informational purposes to assist emergency medical response personnel.

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Can cause eye irritation. Can be harmful if swallowed.
POTENTIAL HEALTH EFFECTS	
INGESTION	Can cause irritation, nausea, stomach distress.
INHALATION	May cause mild irritation of nose, throat and respiratory tract.
EYE CONTACT	May cause eye irritation.
SKIN CONTACT	Prolonged or repeated contact may cause skin irritation in sensitive individuals.

SECTION 4 -- FIRST AID MEASURES

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
INHALATION	Not like to be hazardous, but if indicated, remove to fresh air and provide oxygen if breathing is difficult. Get medical attention.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes. Get medical attention immediately.
SKIN CONTACT	Wash with soap and water. If irritation develops or persists, get medical attention.
NOTE TO PHYSICIAN	Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	None	FLAMMABLE LIMITS	Not applicable
EXTINGUISHING MEDIA	Use water spray, dry chemical, carbon dioxide or foam extinguishing agents unless contraindicated by surrounding environment.		
SPECIAL FIRE FIGHTING PROCEDURES	Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear, including positive pressure self-contained breathing apparatus. Cool fire-exposed containers with water to prevent vapor pressure buildup.		
FIRE AND EXPLOSION HAZARDS	No unusual fire or explosion hazards of this product are known.		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Small spills: Flush to sanitary sewer. Mop up residue and rinse area thoroughly with water. Large spills: Dike or dam spill. Pump to containers or soak up on inert absorbent.
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SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Avoid contact with eyes. Wash hands after handling and especially before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store upright in a cool, dry place at ambient temperature. KEEP OUT OF REACH OF CHILDREN.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Avoid breathing vapor, spray or mist. Wash thoroughly with soap and water after use.
ENGINEERING CONTROLS	Good general ventilation should be sufficient to control airborne levels. Eyewash station is recommended.

PERSONAL PROTECTIVE EQUIPMENT

	RESPIRATOR	Not normally necessary
X	GOGGLES / FACE SHIELD	Recommended; goggles should be chemical splash type
	APRON	Not necessary
X	GLOVES	Recommended; PVC, Neoprene or Nitrile acceptable
	BOOTS	Not necessary

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear blue liquid	BOILING POINT	~ 212 deg F
ODOR	Sour apple	FREEZING POINT	< 32 deg F
pH	8.0 (100% concentrate)	VAPOR PRESSURE	Not established
SPECIFIC GRAVITY	1.000	VAPOR DENSITY	Not established
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	> Water

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X	UNSTABLE	
CONDITIONS TO AVOID	Avoid temperatures above 130 deg. F Do not mix with other chemicals.				
INCOMPATIBILITY	No significant issues.				
HAZARDOUS PRODUCTS OF DECOMPOSITION	Thermal decomposition may generate toxic oxides of carbon and nitrogen.				
POLYMERIZATION		WILL NOT OCCUR	X	MAY OCCUR	
CONDITIONS TO AVOID	Not applicable				

SECTION 11 -- TOXICOLOGICAL INFORMATION

CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z

OTHER EFFECTS

ACUTE	Not determined
CHRONIC	Not determined

MSDS

PRODUCT

Glass Cleaner (quarts)

CODE

4107314

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SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		NOT BIODEGRADABLE	
BOD / COD VALUE.	Not established					
ECOTOXICITY	No data available					

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Product that cannot be used according to the label must be disposed of as a hazardous waste at an approved hazardous waste management facility. Empty containers may be triple rinsed, then offered for recycling or reconditioning; or puncture and dispose of in a sanitary landfill.								
RCRA CLASSIFICATION	Non-hazardous								
RECYCLE CONTAINER		YES	X		CODE	2 - HDPE		NO	

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS			NOT HAZARDOUS	X
DESCRIPTION	Not applicable					
SYSCO HM CODE	None					

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
X	KOSHER	
	SARA TITLE III MATERIAL	
	USDA AUTHORIZED	
	CANADA WHMIS	

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

1	BLUE	HEALTH HAZARD
1	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
-	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Sysco in connection with the use of this information.

XEROX

Material Safety Data Sheet

MSDS No: D-0485

Date: 6/8/92

Revision: 4/2/97

Supplier: Xerox Corporation
Rochester, NY 14644

Xerox Canada Ltd.
5650 Yonge Street
North York, Ontario M2M 4G7

Telephone #(s):

Safety Information: (800) 828-6571
Health Emergency: (716)422-2177
Transportation Emergency:(716)422-1230

Section I - Product Identification

Trade Names/Synonyms: Glass Cleaner

Part No.: 43E140

Chemical Name: None

WHMIS Status: Class B/Div. 3, Combustible liquid

<u>Ingredients (% by wt.)</u>	<u>CAS No.</u>
Water (>90%)	7732-18-5
Ethylene glycol monobutyl ether (<5%) ¹	111-76-2
Propylene glycol t-butyl ether (<5%)	57018-52-7

Section II - Emergency and First Aid

Primary Route of Entry:

Skin, Inhalation

Symptoms of Overexposure:

Skin irritation or nausea

Eyes:

Flush with water.

Medical Conditions Generally Aggravated by Exposure:

Dermatitis

Skin:

Wash with soap and water.

Additional Information:

None.

Inhalation:

Remove from exposure.

Ingestion:

Dilute stomach contents with several glasses of water.

Section III - Toxicology and Health Information

This material has been evaluated by Xerox Corporation.

Oral LD₅₀:	N.D.	TLV:	25 ppm (ethylene glycol monobutyl ether-skin)
Dermal LD₅₀:	N.D.	PEL:	50 ppm (ethylene glycol monobutyl ether-skin)
Inhalation LC₅₀:	N.D.	STEL:	N.E.
Eye Irritation:	May cause irritation.	Ceiling:	N.E.
Skin Sensitization:	N.D.	XEL²:	3 ppm (ethylene glycol monobutyl ether)
Skin Irritation:	May cause slight irritation over prolonged exposure.		
Human Patch:	N.D.		
Mutagenicity:	N.D.		
Carcinogens:	None present		
Aquatic LC₅₀:	N.D.		

Additional Information: May cause nausea if ingested.

¹ This product contains a toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40CFR part 372. ²XEL-Xerox Exposure Limit

Section IV - Physical Data

Appearance/Odor:	clear liquid/vinegar odor	Softening Range:	N.D.
Boiling Point:	N.D.	Melting Point:	N.D.
Solubility in Water:	Complete	Specific Gravity (H₂O=1):	0.994
Evaporation Rate:	N.D.	Vapor Pressure (mm Hg):	N.D.
Vapor Density (Air=1):	N.D.	pH:	N.D.
Volatile:	N.D. % (Wt.) N.D. % (Vol.)		

Section V - Fire and Explosion Data

Flash Point (Method Used):	151 °F / 66.1°C (T.C.C.)
Flammable Limits:	LEL: N.D., UEL: N.D.
NFPA 704:	Health - 0, Fire - 2, Reactivity - 0
Extinguishing Media:	Water fog, foam, dry chemical or carbon dioxide.
Special Fire Fighting Procedures:	None
Fire and Explosion Hazards:	None

Section VI -Reactivity Data

Stability:	Stable
Hazardous Polymerization:	Will Not Occur
Hazardous Decomposition Products:	Carbon monoxide
Incompatibility (Materials to Avoid):	Strong oxidizing agents.

Section VII - Special Protection Information

Respiratory Protection:	None required when used as intended.
Eye Protection:	None required when used as intended.
Protective Gloves:	None required when used as intended.
Other:	None required when used as intended.

Section VIII - Special Precautions

Handling and Storage:	Store in cool area away from heat and flame.
Conditions to Avoid:	Keep away from children.

Section IX- Spill, Leak, and Disposal Procedures

For Spills or Leakage:	Soak up with mop or sponge. Rinse with water.
Waste Disposal Method:	Dispose of in accordance with federal, state and local regulations.

Section X - Transportation Information

<u>Proper Shipping Name</u>	<u>Hazard Class</u>	<u>ID #</u>	<u>Packing Group</u>	<u>Exception may apply</u>
D.O.T Combustible liquid, n.o.s. (Glycol Ethers)	Combustible liquid	NA 1993	III	Limited Quantity: CFR 49, 173.150
I.A.T.A N.D.	N.D.	N.D.	N.D.	N.D.
I.M.O N.D.	N.D.	N.D.	N.D.	N.D.