

State of California

DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

0815

MATERIAL SAFETY DATA SHEET

(This voluntary form is provided by CAL/OSHA to assist MSDS preparers and users. Any format may be used as long as it contains all the required information).

I. PRODUCT IDENTIFICATION

Trade Name (as labeled): 5 to 1 Concentrated Glass Cleaner

Chemical Name, Common Names: N/A

Manufacturer's Name: S.E. Rykoff & Co.

Address: 737 Terminal Street, Los Angeles, CA 90021

Emergency Phone: N/A

Name of Preparer: A. Puccetti, Ph.D. Truesdail Labs  
14201 Franklin Ave, Tustin, CA 92680

Business Phone: 213-622-4131

Date Prepared: 3/20/87

II. HAZARDOUS INGREDIENTS

Chemical Name	CAS Numbers	Percent*	Exposure Limits in Air		
			ACGIH (TLV)	OSHA (PEL)	Other
Isopropyl Alcohol	67630	45-50	400 ppm	400 ppm	N/A
Butyl Cellosolve (Ethylene Glycol Monobutyl Ether)	111762	1-5	25 ppm	25 ppm	N/A
Ammonia	7664417	1-5	25 ppm	25 ppm	N/A

III. PHYSICAL PROPERTIES

Vapor Density (air = 1): 2                      Melting Point or range, F    N/A  
 Specific Gravity: > 1                      Boiling Point or range, F    176  
 Solubility in Water: Complete  
 Vapor Pressure, mmHg at 20°C: 33  
 Evaporation rate (butyl acetate = 1): N/A  
 Appearance and odor: Clear, colored solution

HOW TO DETECT THIS SUBSTANCE: (Warning properties of substance as a gas, vapor, dust, or mist). Gives off pungent odor characteristic of ammonia and alcohol

\*Not required. Space has been provided on this form for optional use.

Note: All categories should be addressed. If any item is not applicable, or no information is available, the space must be marked to indicate that. By November 25, 1985, California is expected to require all MSDS information required by the Federal OSHA Hazard Communication Standard, plus CAS numbers and an explanation of health effects in lay terms.

\*\*\*\*\*VI. REACTIVITY DATA \*\*\*\*\*

Stability:  X  Stable   Unstable  
Conditions to Avoid: N/A

Incompatibility (materials to avoid): Strong acids, strong oxidizing agents such as bleaches. Aluminum, tin and zinc.

Hazardous Decomposition Products (including combustion products): IF heated to decomposition toxic gases may be emitted.

Hazardous Polymerization:   May occur  X  Will not occur

Conditions to Avoid: N/A

\*\*\*\*\*VII. SPILL, LEAK AND DISPOSAL PROCEDURES \*\*\*\*\*

Spill response procedures (include employee protection measures): For large spills, shut off ignition sources. Avoid inhalation of vapors. Avoid skin contact.

Preparing wastes for disposal (container types, neutralization, etc.): Glass, metal or plastic containers.

Note: Dispose of all wastes in accordance with federal, state and local regulations.

\*\*\*\*\*VIII. SPECIAL HANDLING INFORMATION \*\*\*\*\*

Ventilation and engineering controls: Under normal use, general ventilation is adequate.

Respiratory protection: Use NIOSH approved respirators if vapor concentrations exceed permissible limits.

Eye protection (type): Goggles or face shield.

Gloves (specify material): Rubber

Other clothing and equipment: Apron

Work Practices, hygienic practices: Normal

Other Handling and Storage Requirements: Keep containers sealed.

Protective measures during maintenance of contaminated equipment: N/A

\*\*\*\*\*IX. LABELING \*\*\*\*\*

Labeling (precautionary statements)\*: N/A

D.O.T. Label\*: N/A

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\*\*\*\*\*IV. FIRE AND EXPLOSION\*\*\*\*\*

Flash Point, °F (give method): 53°F Closed Cup
Autoignition temperature, °F: 750
Flammable limits in air, volume %: Lower 2% Upper 12%
Fire extinguishing materials:
Water Spray X Carbon Dioxide Other:
X Foam X Dry Chemical

Special Fire Fighting Procedures: Water may be ineffective

Unusual Fire and Explosion Hazards: N/A

\*\*\*\*\*V. HEALTH HAZARD INFORMATION\*\*\*\*\*

Inhaled: Irritation of upper respiratory tract
Contact with Skin or Eyes: Irritation and possible injury
Absorbed through skin: The butyl cellosolve present in this product can be asorbed through skin.
Swallowed: Drunkenness and vomiting

HEALTH EFFECTS OR RISKS FROM EXPOSURE. Explain in lay terms. Attach extra page if more space is needed.

Acute: High concentrations of vapors may be anesthetic

Chronic: Dermatitis from prolonged skin contact

FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Hold eyelids open and flush with plenty of water.
Skin Contact: Flush with water
Inhaled: Remove victim to fresh air. If breathing stops, give artificial respiration. If breathing is difficult give oxygen.
Swallowed: Drink water or milk. Call doctor.

SUSPECTED CANCER AGENT?

X No: This product's ingredients are not found in the lists below.
Yes: Federal OSHA NTP IARC CAL/OSHA (see note).\*

Note: California employers using CAL/OSHA-regulated carcinogens must register with CAL/OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory conditions and skin conditions
RECOMMENDATIONS TO PHYSICIAN\*: N/A