

PAULSEN-ROLES LABS
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Telephone: 1-503-282-3289

#15

HMHM RATINGS
HEALTH 1
FLAMMABILITY 0
REACTIVITY 0
OTHER 0

SECTION I--PRODUCT IDENTIFICATION

PRODUCT NAME: 64 to 1 Concentrated Glass Cleaner PRODUCT CODE: PR-93

CHEMICAL OR COMMON NAME: DATE ISSUED: SUPERCEDES: PREPARED BY:
N/A 4-1-89 1-5-89 Grant Watkinson

SECTION II--INGREDIENT INFORMATION

CHEMICAL NAMES	% BY WT.	CAS #	EXPOSURE LIMIT
Ethylene Diamine Tetraacetic Acid	1-5	64-02-8	N/D
Isopropyl Alcohol	1-2	67-63-0	400 ppm * **
Sodium Alkyl Aryl Sulfonate	1-5	68411-30-3	N/A
Dipropylene Glycol Methyl Ether	3-8	34590-94-8	100 ppm * **

Balance is water, surfactant, colorant, perfume and inert ingredients!

N/A--Not Applicable NSR--No Special Requirement ND--Not Determined
* ACGIH TLV-TWA ** OSHA PEL *** Supplier Established
+ These materials are subject to the reporting requirements under the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title II Section 311, 313 and CFR Part 372.
NONE OF THE INGREDIENTS IN THIS PRODUCT ARE LISTED AS A CARCINOGEN IN THE NTP, IARC OR OSHA LISTS!

SECTION III--PHYSICAL DATA

APPEARANCE/ODOR: Dark Blue Liquid SPECIFIC GRAVITY (H2O=1): 1.00
VAPOR PRESSURE (mm Hg): NA % VOLATILE BY VOLUME: 100%
SOLUBILITY IN WATER: Complete VAPOR DENSITY (Air=1): NA
FREEZING POINT (F): 0 Degrees C BOILING POINT (F): 213
pH (1%): 8.5 EVAPORATION RATE (Butyl Acetate=1):

SECTION IV--FIRE AND EXPLOSION INFORMATION

FLASH PT. (F): NONE FLAMMABLE LIMITS: LOWER: NA UPPER: NA
EXTINGUISHING MEDIA: _X_FOAM _X_CO2 _X_DRY CHEMICAL _X_WATER FOG _OT

SPECIAL FIREFIGHTING PROCEDURES:
Normal fire fighting procedures may be used. Cool and use caution when approaching or handling fire-exposed containers. Fight fire from maximum distance or protected area.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
No special hazards known. It is always a good idea to water spray containers and surrounding structures exposed to fire.

SECTION V--HEALTH HAZARD INFORMATION
PRIMARY ROUTE OF ENTRY: X EYES X SKIN INGESTION INHALATION

SIGNS & SYMPTOMS:
Direct contact of product with skin and eye causes irritation. Prolonged or repeated contact of product with skin and eye may cause burns. Breathing of vapors may cause some individuals to cough or cause irritation of nose and throat. If taken internally, product may cause corrosive damage to mouth, throat or stomach.

FIRST AID PROCEDURES:
SKIN & EYES: Immediately flush skin and eye contact with plenty of water for at least 15 minutes. If irritation persists, seek medical aid.
INHALATION: If inhaled, remove to fresh air immediately. Give oxygen only if breathing is difficult. SWALLOWED: If product is swallowed, drink large amounts of water or milk and seek medical aid. CLOTHING: Wash clothing before reuse.

SECTION VI--REACTIVITY INFORMATION
X STABLE UNSTABLE CONDITIONS TO AVOID: NA

INCOMPATIBILITY (Materials to Avoid):
None known

HAZARDOUS DECOMPOSITION PRODUCTS:
None known

HAZARDOUS POLYMERIZATION: None will occur.

SECTION VII--SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Absorb with diatomaceous earth or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water. Wear/use appropriate protective equipment. All Federal, State and local regulations should be carefully followed.

WASTE DISPOSAL INFORMATION:
No special method. Observe all applicable Federal/State/Local regulations. Rules and/or ordinances regarding disposal non-hazardous materials.

SECTION VIII--SPECIAL PROTECTION INFORMATION
RESPIRATORY PROTECTION:
No special requirements under normal use conditions.

VENTILATION:
No special requirement

PROTECTIVE GLOVES:
No special requirements under normal use conditions

EYE PROTECTION:
For undiluted product: Wear splash-proof goggles. No special requirements under normal use conditions.

OTHER PROTECTIVE MEASURES:
Use good personal hygiene practices. Launder contaminated equipment before reuse. In case of spills, see Section VII.

SECTION IX--SPECIAL PRECAUTIONS
PRECAUTIONARY LABELING:
Not applicable.

OTHER HANDLING & STORAGE CONDITIONS:

Keep out of reach of children. Store in a cool, dry place with adequate ventilation. Keep from freezing. Wash thoroughly after handling. Product residue may remain on or in empty containers. All precautions for handling the product must be used in handling the empty container and residue.

SECTION X--ADDITIONAL INFORMATION
ADDITIONAL INFORMATION:
Not applicable.

EMERGENCY INFORMATION:
In case of emergency: Call 1-503-282-3289.

GENERAL INFORMATION:

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