

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: GLASS CLEANER
PRODUCT CODE: B015343

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HMIS CODES: H F R P
1 2 0 X

===== SECTION 1 - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: VARN PRODUCTS
ADDRESS : 905 S. WESTWOOD AVENUE
ADDISON, ILLINOIS 60101

EMERGENCY PHONE: 800-424-9300

DATE REVISED: February 1, 2000

INFORMATION PHONE: 800-336-8276

NAME OF PREPARER: Varn Products Co.

REASON REVISED: Update; Supersedes all previous revisions.

===== SECTION 2 - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR mm Hg	PRESSURE @ TEMP	WEIGHT PERCENT
Ethanol	64-17-5	94	70°F	13
OSHA PEL: 1000ppm, ACGIH TLV: 1000ppm				
Liquified Petroleum Gas	68476-85-7	760	68°F	5
OSHA PEL: 1000 ppm, ACGIH TLV: 1000 ppm				
* 2-Butoxy Ethanol	111-76-2	0.8	68°F	4
OSHA PEL: 50ppm SKIN, ACGIH TLV: 20ppm SKIN				
Hazardous Air Pollutant				

* Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372. All ingredients are listed on the EPA TCSA Inventory.

===== SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE/POINT: N/A
VAPOR DENSITY: Heavier than air.
V.O.C. (EPA METHOD 24): 1.88 lb/gl
VAPOR PRESSURE (mm Hg @ 20°C): 140psig @ 130°F
SOLUBILITY IN WATER: 100%
APPEARANCE AND ODOR: Aerosol Can; Semi-Stable Foam - Floral Odor

SPECIFIC GRAVITY (H2O=1): 0.92
EVAPORATION RATE: Faster than n-Butyl Acetate.

===== SECTION 4 - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: SEE * below
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.8%
METHOD USED: See*below
UPPER: 9.2%

EXTINGUISHING MEDIA: Foam, Alcohol Foam, CO2, Dry Chemical. *Product considered to be Non-Flammable as described in 16CFR 1500.45.

SPECIAL FIREFIGHTING PROCEDURES:

Keep containers cool. Use shielding to protect personnel against bursting, rupturing or venting containers. Water may not be effective to extinguish fire. Use water spray to cool fire exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

At elevated temperatures (Over 130°F) containers may vent, rupture or burst.

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===== SECTION 5 - REACTIVITY DATA =====

STABILITY: Stable

CONDITIONS TO AVOID: Avoid excess heat (above 130°F).

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid mixing with strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Burning will produce oxides of carbon. Additional toxic chemicals may be formed in small amounts.

HAZARDOUS POLYMERIZATION: Will Not Occur.

===== SECTION 6 - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Excess vapor concentrations are attainable. Overexposure will cause irritation of the nose and throat and cause signs of nervous system depression such as headache, drowsiness, dizziness and unconsciousness.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Skin and eye contact may cause mild to moderate irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Skin contact will result in absorption and potentially contribute to the overall exposure to the chemical 2-Butoxy ethanol.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Ingredients in this product are Toxic. Ingestion may cause nausea, moderate gastro-intestinal irritation, diarrhea and possible damage to vital organs. Follow first aid procedures.

HEALTH HAZARDS (ACUTE AND CHRONIC):

Repeated or abusive breathing of concentrated vapors may effect pulmonary, cardiovascular, and central nervous system. Repeated skin contact will dry out and crack skin.

CARCINOGENICITY: NTP CARCINOGEN: No IARC MONOGRAPHS: No OSHA REGULATED: No

This product contains no known carcinogens.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Skin contact may aggravate pre-existing dermatitis. Inhalation of vapors may aggravate pre-existing asthma like conditions.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Hold eyelids open and flush with water for 15 minutes. Contact a physician if irritation persists. **SKIN:** Wash with soap and water. **INGESTION:** Contact local Poison Control Center or physician immediately. **INHALATION:** Move to fresh air. Give oxygen if breathing is labored.

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===== SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Eliminate all ignition sources. Soak up material with absorbent. Transfer into a closed container for later disposal. Aerosol propellents are Extremely Flammable.

WASTE DISPOSAL METHOD:

DO NOT puncture or incinerate. When contents are depleted continue to depress valve until all gas is expelled. Dispose of containers in accordance with local, state and federal regulations. Contact a Licensed Hazardous Waste hauler for more information.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Keep away from sunlight, excess heat, sparks, flames and other sources of ignition. Store at temperature below 130°F. Avoid skin and eye contact. Avoid breathing vapors. Wear proper personal protective equipment when using this product. Store as a Level 3 Aerosol (NFPA 30B).

OTHER PRECAUTIONS/DOT INFORMATION:

For Air Shipment: DOT Proper Shipping Name: AEROSOLS, Hazard Class: 2.2, UN Number: UN1950, Packing Group: N/A For Surface Shipment: DOT Proper Shipping Name: CONSUMER COMMODITY, Hazard Class: ORM-D, UN Number: None, Packing Group: N/A

===== SECTION 8 - CONTROL MEASURES =====

RESPIRATORY PROTECTION:

The use of respiratory protection is advised when concentrations exceed the established exposure limits in SECTION 2. Depending on the airborne concentration, use a respirator with appropriate organic vapor cartridge (NIOSH approved).

VENTILATION:

If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits in SECTION 2, additional general ventilation or local exhaust systems may be required.

PROTECTIVE GLOVES: Wear solvent resistant gloves made of butyl or nitrile rubber. For brief contact, no precautions are needed.

EYE PROTECTION: Wear safety glasses with side shields.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A personal protective rating of X means you must see your supervisor for guidance. OSHA regulations (29CFR Part 1910, Subpart I) require employers to evaluate Personal Protective Equipment requirements in the workplace.

WORK/HYGIENIC PRACTICES: Wash with soap and water after product contact with skin.

===== SECTION 9 - DISCLAIMER =====

The information on this MSDS is believed to be accurate as of the date shown in SECTION 1. Since the use of this product is not under the control of Varn, it is the user's responsibility to determine what constitutes safe usage for a particular product. This form may be reproduced in quantities necessary to meet your requirements.