

MATERIAL SAFETY DATA SHEET

(MSDS)

ITEM NUMBER: 050 - **MASTER MIRAGLOS** HARD SURF CLNR

IDENTITY (As Used On Label and List): GLASS CLEANER

Emergency Medical Telephone Number 1-800-228-5635 **(24 HRS)**

PRODUCT HAZARD RATINGS: Health = 1, Fire = 1, Reactivity = 0, Protective Equipment = *A (HMIG)
(Rating Legend: 4 = Extreme, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal)

Section I

KELLERMEYER CHEMICAL CO.
P.O. BOX 3357, STATION C
TOLEDO

TELEPHONE NUMBER FOR INFORMATION:
1-800-445-7415

OH 43607

DATE PREPARED: 12/15/97
NAME OF PREPARER: Philip T. Miller

Section II - Hazardous Ingredients/Identity Information

Chemical Names	Exposure Limits (LD50-Oral Rat)	SARA Title III SEC 313	ACGIH TLV/TWA	OSHA PEL	% By Wt.
2-Butoxyethanol (CAS# 111-76-2)	1.480g/kg	Yes	25ppm	25ppm (skin)	1-10
Ethyl Alcohol (CAS# 64-17-5)	13.7g/kg	-	1000	1000	4-20
Methyl Alcohol (CAS# 67-56-1)	5.6g/kg	Yes	200	200	<1.0
Ionized Water (CAS# 7732-18-5)	-	-	-	-	70-90
Refined Petroleum Gas (CAS# 68476-85-7) NE	-	-	1000	1000	1-5

Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard.

Components Listed As A Suspected Carcinogen: None

Section III - Physical Characteristics

Boiling Point: NA Vapor Pressure (psig): 140@130F Specific Gravity (H2O=1): <1
Solubility/Water: Complete Vapor Density (AIR=1): >1 Evaporation Rate (Ether=1): <1
Appearance and Odor: Wide hollow cone spray; semi-stable foam with floral odor

Section IV - Fire and Explosion Hazard Data

Aerosol Flammability: This product is considered to be non flammable as described in 16CFR 1500.45.

Flammable Limits - % Volume In Air (Propellant): LEL: 1.8 UEL: 9.2

Extinguishing Media: Carbon dioxide, foam and/or dry chemical may be used.

Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

Unusual Fire and Explosion Hazards: At elevated temperatures (over 54C-130F) containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure.

Section V - Reactivity Data

Stability: Stable

Hazardous Polymerization: NA

Compatibility (Materials to Avoid): Strong oxidizing agents, heat and open flame.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and additional hazardous chemicals may be formed in small amounts.

Conditions to Avoid: Do not store above 54C-130F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

LASS CLEANER

Section VI - Health Hazard Data

Route(s) of Entry - Inhalation: X Eyes: X Skin: X Ingestion: X
 Signs and Symptoms of Exposure: Respiratory irritation. High concentrations may produce headache, dizziness, and nausea. Prolonged or repeated skin contact may lead to drying, irritation and dermatitis. Possible skin absorption. Eye contact may cause burning and irritation. This product contains 2-Butoxyethanol, which if ingested in significant quantities may result in red blood cell hemolysis.
 Medical Conditions Generally Aggravated by Exposure: Pre-existing skin or eye disorders may be aggravated by this product.
 Emergency and First Aid Procedures: Eye Contact: Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get prompt medical attention. Skin Contact: Remove contaminated clothing. Flush skin with water, follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention. Ingestion: Contact local poison control center or physician IMMEDIATELY.

Section VII - Precautions for Safe Handling and Use

Releases or Spilled: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.
 Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.
 Handling And Storing: Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers. Do not expose to direct sunlight or store at temperatures above 130F (54C). Store as Level 1 Aerosol (NFPA 30B).
 Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

Section VIII - Employee Protection

Respiratory Protection (Type): None required if good ventilation is maintained. If exposure exceeds occupational exposure limits (Sec. II), use a NIOSH approved respirator to prevent overexposure.
 Ventilation: Local exhaust is adequate under normal conditions, mechanical ventilation is optional.
 Protective Gloves: Optional; Chemical resistant gloves*.
 Eye Protection: Chemical safety glasses are recommended*.
 Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.
 Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment should be in accordance with 29 CFR 1910.132 and CFR 1910.133.

Section IX - Other Regulatory Controls

Governmental Listings: Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

Section X - Transportation (D.O.T. Classification)

Shipping Name: Consumer Commodity

Hazard Class: ORM-D

NG-- Negligible NA-- Not Applicable NE-- Not Established UN-- Unavailable ND-- Not Determined

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