



M860-0007 Oz Polish

MATERIAL SAFETY DATA SHEET

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Health: 1 Flammability: 1 Reactivity 0

PRODUCT NAME: M860-0007 Oz Polish

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 11/07/06
SUPERCEDES: 19/10/05
MSDS NO. M860-0007

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
aliphatic petroleum distillates	21-30	64742-47-8	No PEL established
Castor Oil	11-20	68187-84-8	No PEL established
petroleum distillate	1-10	64742-54-7	No PEL established
Hydrocarbon mixture	1-10	8042-47-5	No PEL established
isopropanol	<1	67-63-0	400 ppm TWA; 980 mg/m3 TWA

III. HAZARDS IDENTIFICATION

Routes of Entry: Absorption., Eye contact., Ingestion., None Known., Inhalation and skin.
Medical Conditions Aggravated: Persons with reduced pulmonary function may experience breathing difficulty. Pre-existing skin or respiratory conditions. Eye disease. Skin disease including eczema and sensitization.

Immediate (Acute) Health Effects

Inhalation: Irritation may be delayed for several hours. Can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

Skin Contact: Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis). Can cause moderate injury (reddening and swelling). Can cause minor skin irritation, defatting, and dermatitis.

Eye Contact: Can cause irritation. Can cause minor irritation, tearing and reddening. Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

Skin Absorption: No component(s) in this product is known to be absorbed through the skin. Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.

Ingestion: Harmful if swallowed. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Target Organ Acute Toxicity:
Isopropyl alcohol eyes, skin, respiratory system

Long-Term (Chronic) Health Effects:

Carcinogenicity: None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.

Reproductive and Developmental Toxicity: No information available.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Inhalation: Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

Skin Contact: Prolonged or repeated contact may cause irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.

Eye Contact: Upon prolonged or repeated contact, can cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

Skin Absorption: Skin sensitization, characterized by redness, inflammation, itching and/or burning may result from prolonged or repeated contact with this material. Upon prolonged or repeated exposure, minimal hazard in normal industrial use. May cause gastrointestinal discomfort.

Target Organ Chronic Toxicity: Skin. Respiratory Tract. Eyes. Nervous System.

Supplemental Health Hazard Information: No additional health information available.

IV. FIRST AID

Inhalation: Remove to fresh air. If breathing becomes difficult, give oxygen and get medical attention. Remove to fresh air. No first aid expected to be needed. This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.

Eyes: Flush immediately under running water for 15 minutes. If redness or irritation occurs, seek medical attention. Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

Skin Contact: Wash with mild soap and water. If irritation occurs get medical attention. If clothing is contaminated, remove and wash before reuse. Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion: DO NOT induce vomiting. Get immediate medical attention. If swallowed, do NOT induce vomiting. Give victim 1-2 glasses of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

Notes to MD: Aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity.

V. FIRE FIGHTING MEASURES

Flammability Summary:

Flash Point: >200 (CALC.) °F
Upper Flammable/Explosive Limit, % in air: 0.6 @ 77° F
Lower Flammable/Explosive Limit, % in air: 7.0 @ 77° F

Fire Hazards: Vapors are heavier than air and can travel to a source of ignition and flash back. Water or foam may cause frothing which can be violent and possible endanger the life of firefighter. Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

Extinguishing Media: Use methods suitable to fight surrounding fire. Foam Carbon dioxide Use alcohol resistant spray, Carbon Dioxide, water spray or dry chemical to extinguish a fire involving this chemical. CO2, dry chemical, foam Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do Not direct a stream of water into the hot burning liquid.

Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Apply cooling water to exposed containers well after fire is out. Use methods for the surrounding fire. Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide Carbon dioxide, carbon monoxide, various hydrocarbons.

VI. ACCIDENTAL RELEASE MEASURES

Health Consideration for Spill Response: No health affects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this MSDS

**Spill Mitigation Procedures
General Methods:**

No special spill clean-up considerations. Collect and discard in regular trash.

VII. HANDLING AND STORAGE

- Handling:** "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Mildly irritating material. Avoid unnecessary exposure.
- Storage:** Keep container closed when not in use. Keep away from heat and flame. Store in a cool dry place. Isolate from incompatible materials.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

- Engineering Controls:** Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits. No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

Protective Equipment

- Respiratory Tract:** Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage should be implemented.
- Eyes:** Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.
- Skin:** Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

IX. PHYSICAL DATA

- Physical State:** CLOUDY LIQUID
- Odor:** NONE TO VERY FAINT
- Solids Vol %:** 10.1853
- Solids Wt %:** 11.1459
- Material VOC lbs/gal:** 2.7569
- Material VOC gms/l:** 331.0804
- Coatings VOC lbs/gal:** 5.3413
- Coatings VOC gms/l:** 641.4417
- Weight per gallon lbs:** 7.6545

VOC data per US EPA guidelines. State and local variations may apply.

X. STABILITY AND REACTIVITY

- Stability Information:** Stable. Stable under normal conditions.

Conditions to Avoid: Contact with oxidizing materials. None known.

Chemical Incompatibility: Oxidizing materials. Strong oxidizing agents.

Hazardous Polymerization: Hazardous Polymerization will not occur.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	PY8035500:Mineral oil, petroleum distillates, hydrotreated (mild) heavy paraffinic (10/1/97); Oral LD50 Rat : >15 gm/kg; Dermal LD50 Rabbit : >5 gm/kg; PY8035501:Mineral oil, petroleum distillates, hydrotreated (severe) heavy paraffinic (10/1/97); Oral LD50 Rat : >15 gm/kg; Dermal LD50 Rabbit : >5 gm/kg
Isopropyl alcohol	67-63-0	Inhalation LC50 Rat : 16000 ppm/8H; Oral LD50 Rat : 5045 mg/kg; Oral LD50 Mouse : 3600 mg/kg; Dermal LD50 Rabbit : 12800 mg/kg

XII. ECOLOGICAL INFORMATION

Overview (for ingredients): No data available. No ecological information available.

XIII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures. Spent or discarded material is non-hazardous according to environmental regulations.

Disposal Methods: Perform waste water treatment. Comply with all Local, State, Federal, and Provincial Environmental Regulations. Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations. Dispose of in a permitted industrial waste landfill following Federal, State, Local, or Provincial regulations.

Potential EPA Waste Codes: If discarded, this product is considered a RCRA ignitable waste, D001.

Components Subject to USEPA Land Disposal Restrictions:

No chemicals subject to land disposal restrictions. %

XIV. TRANSPORTATION INFORMATION

DOT NON REGULATED

See 49CFR 172.101 for Special Provisions, Packaging, and Quantity Limitations.

XV. REGULATORY INFORMATION

Chemical Name	Regulation	CASRN	%
Isopropyl alcohol	SARA 313 Reportable:	67-63-0	0.01
aliphatic petroleum distillates	New Jersey Right To Know:	64742-47-8	23.33
Castor Oil	New Jersey Right To Know:	68187-84-8	10.2
petroleum distillate	New Jersey Right To Know:	64742-54-7	6.35
Hydrocarbon mixture	New Jersey Right To Know:	8042-47-5	6.35
isopropanol	New Jersey Right To Know:	67-63-0	0.01

XVI. ADDITIONAL INFORMATION

Other Information:

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MSDS glossary.