



M820-200 Lemon Oil Polish

MATERIAL SAFETY DATA SHEET

RPM Wood Finishes Group
3194 Hickory Boulevard
Hudson, North Carolina 28638
828-728-8266

EMERGENCY PHONE (CHEM TREC): 1-800-424-9300
FOR ALL INTERNATIONAL TRANSPORTATION ACCIDENTS. 1-703-527-3887 (collect)

Health: 1 Flammability: 1 Reactivity 0

PRODUCT NAME: M820-200 Lemon Oil Polish

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 22/10/02
SUPERCEDES: 04/09/02
MSDS NO. M820-200

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Petroleum Process Oil	41-50	64742-53-6	No PEL established
Petroleum Process Oil	41-50	64742-52-5	No PEL established
Lemon #136-978	1-10		No PEL established
methyl isobutyl ketone	<1	108-10-1	100 ppm TWA; 410 mg/m3 TWA

III. HAZARDS IDENTIFICATION

Routes of Entry: Inhalation., Ingestion., Skin contact., Eye contact.
Medical Conditions Aggravated: Liver disease.

Immediate (Acute) Health Effects

Inhalation: May cause irritation to upper respiratory tract. Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

Skin Contact: Causes skin irritation. Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Eye Contact: Can cause irritation. Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

Skin Absorption: A single exposure is not likely to result in the product being absorbed through the skin in harmful amounts. No absorption hazard in normal industrial use.

Ingestion: Harmful if swallowed. Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Target Organ Acute Toxicity:

Hexone eyes, skin, CNS, respiratory system, liver, kidneys

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 moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

Skin Contact: Continued or prolonged contact may irritate the skin and cause a skin rash (dermatitis). Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Eye Contact: Upon prolonged or repeated contact, can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

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, no hazard in normal industrial use.

Target Organ Chronic Toxicity: Liver. Nervous System.

Supplemental Health Hazard Information: No additional health information available.

IV. FIRST AID

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. Remove to fresh air. Get medical attention immediately. Have a trained individual administer humidified oxygen. If not breathing, give artificial respiration.

Eyes: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists. Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS.

Notes to MD: No additional first aid information available.

V. FIRE FIGHTING MEASURES

Flammability Summary:

Flash Point:	>200 (CALC.) °F
Fire Hazards:	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
Extinguishing Media:	Use alcohol resistant spray, Carbon Dioxide, water spray or dry chemical to extinguish a fire involving this chemical. 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:	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

VI. ACCIDENTAL RELEASE MEASURES

Health Consideration for Spill Response:	No health effects 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:	Follow all protective equipment recommendations provided in Section VIII. Mildly irritating material. Avoid unnecessary exposure.
Storage:	Store in a cool dry place away from ignition sources. Store in a cool dry place. Isolate from incompatible materials.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls:	Check ventilation codes. 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: COLORED LIQUID
Odor: STRONG SOLVENT
Solids Vol %: 99.9023
Solids Wt %: 99.9122
Material VOC lbs/gal: 0.0066
Material VOC gms/l: 0.791
Weight per gallon: 7.5188

X. STABILITY AND REACTIVITY

Stability Information: Stable. Stable under normal conditions.
Conditions to Avoid: Avoid: heat, sparks, flame and oxidizing agents. Contact with air. Sparks, open flame, other ignition sources, and elevated temperatures.
Chemical Incompatibility: Oxidizing materials. Strong oxidizing agents. Strong alkalis.
Hazardous Polymerization: Hazardous Polymerization will not occur.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
2-Pentanone, 4-methyl-	108-10-1	Inhalation LC50 Mouse : 23300 mg/m3; Oral LD50 Rat : 2080 mg/kg; Oral LD50 Mouse : 2671 mg/kg; Dermal LD50 Rabbit : >20 mL/kg

XII. ECOLOGICAL INFORMATION

Overview (for ingredients): No data available. Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.

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 a hazardous waste.

Disposal Methods: Dispose of in a landfill. Disposal is not likely to be regulated.

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

Components Subject to USEPA Land Disposal Restrictions:

Methyl isobutyl ketone	108-10-1	0.09 %
------------------------	----------	--------

XIV. TRANSPORTATION INFORMATION

DOT NON REGULATED

XV. REGULATORY INFORMATION

Chemical Name	Regulation	CASRN	%
Methylisobutyl ketone	SARA 313 Reportable:	108-10-1	0.09
Toluene	SARA 313 Reportable:	108-88-3	0.00
Toluene	California Proposition 65 Developmental Toxicity:	108-88-3	0.00
Petroleum Process Oil	New Jersey Right To Know:	64742-53-6	49.07
Petroleum Oil	New Jersey Right To Know:	64742-52-5	49.07
Compounded Fragrance	New Jersey Right To Know:		1.77
methyl isobutyl ketone	New Jersey Right To Know:	108-10-1	0.09

XVI. ADDITIONAL INFORMATION

Other Information:

IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HEREUNDER ARE GIVEN GRATIS. NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED. ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

MSDS glossary.