



M730-400 BLACK RUBBING COMPOUND

MATERIAL SAFETY DATA SHEET

RPM Wood Finishes Group
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FOR ALL INTERNATIONAL TRANSPORTATION ACCIDENTS. 1-703-527-3887 (collect)

Health: 2 Flammability: 2 Reactivity 0

PRODUCT NAME: M730-400 BLACK RUBBING COMPOUND

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 11/06/03
SUPERCEDES: 20/05/03
MSDS NO. M730-400

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Quartz	51-60	14808-60-7	see Table Z-3
aliphatic petroleum distillates	21-30	64742-47-8	No PEL established
Ethylene Glycol	1-10	107-21-1	No PEL established
Pigment Black 9	1-10	8021-99-6	No PEL established
Hydrocarbon mixture	1-10	8042-47-5	No PEL established
Dinonylphenoxypolyethoxyehtanol	1-10	68891-21-4	No PEL established
carbon black	<1	1333-86-4	3.5 mg/m3 TWA
Crystalline Silica	<1	14464-46-1	see Table Z-3

III. HAZARDS IDENTIFICATION

Routes of Entry: Ingestion., Eye contact., Absorption., Inhalation and skin.
Medical Conditions Aggravated: Eye disease. Persons with reduced pulmonary function may experience breathing difficulty. Pre-existing skin or respiratory conditions. Kidney disease.

Immediate (Acute) Health Effects

Inhalation: Chronic lung disease (silicosis) and/or lung cancer may result from prolonged/repeated breathing of the dust of this material. Dust irritating to respiratory tract. 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. No hazard in normal industrial use.

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

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. Mildly irritating to mouth, throat, and stomach. Can cause abdominal discomfort.

Target Organ Acute Toxicity:

Silica, crystalline	respiratory system, eyes (in animals: lung cancer)
Ethylene glycol	respiratory system, skin, eyes, CNS
Carbon black	respiratory system, eyes, lymphatic cancer

Long-Term (Chronic) Health Effects:

Carcinogenicity: Material did not cause cancer in long-term animal studies. Contains a known human carcinogen.

Reproductive and Developmental Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

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

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

Target Organ Chronic Toxicity: Eyes. Respiratory Tract. Kidneys. Nervous System. Heart.

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. If breathing is difficult, have a trained individual administer oxygen.

Eyes: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel. Immediately flush eyes with plenty of water for at least 20 minutes. Get immediate medical attention. Hold eyelids apart periodically while flushing. 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 mild soap and water. If irritation occurs get medical attention. If clothing is contaminated, remove and wash before reuse. Wash with soap and water.

Ingestion: DO NOT induce vomiting. Get immediate medical attention. Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this MSDS.

Notes to MD: No additional first aid information available. Aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity.

V. FIRE FIGHTING MEASURES

Flammability Summary:

Flash Point: 105 (CALC.) °F
Upper Flammable/Explosive Limit, % in air: 0.6 @ 77° F
Lower Flammable/Explosive Limit, % in air: 7.0 @ 77° F

Fire Hazards: Use process enclosures to control the level of dust in the air. Vapors are heavier than air and can travel to a source of ignition and flash back. Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

Extinguishing Media: Foam Carbon dioxide Dry chemical Use methods suitable to fight surrounding fire. 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. 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: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

**Spill Mitigation Procedures
General Methods:**

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

VII. HANDLING AND STORAGE

- Handling:** Avoid contact with material. Minimize dust generation and accumulation. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Harmful or irritating material. Avoid contact and avoid breathing the material. Use only in a well ventilated area.
- Storage:** Keep container closed when not in use. 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. Use process enclosures to control the level of dust in the air. 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: OILY HYDROCARBON
Solids Vol %: 40.0008
Solids Wt %: 64.7404
Material VOC lbs/gal: 3.0432
Material VOC gms/l: 365.4588
Coatings VOC lbs/gal: 3.5282
Coatings VOC gms/l: 423.7067
Weight per gallon: 11.9044

X. STABILITY AND REACTIVITY

Stability Information:	Stable. Stable under normal conditions.
Conditions to Avoid:	Avoid: heat, sparks, flame and oxidizing agents. High temperatures. None known.
Chemical Incompatibility:	Strong oxidizing agents. Metals.
Hazardous Polymerization:	Hazardous Polymerization will not occur.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Ethylene glycol	107-21-1	Inhalation LC50 Rat : 10876 mg/kg; Oral LD50 Rat : 4700 mg/kg; Oral LD50 Mouse : 5500 mg/kg; Dermal LD50 Rabbit : 9530 uL/kg
Carbon black	1333-86-4	Oral LD50 Rat : >15400 mg/kg; Dermal LD50 Rabbit : >3 gm/kg

XII. ECOLOGICAL INFORMATION

Overview (for ingredients):	No data available. This material is not expected to be harmful to the ecology.
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XIII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product:	Spent or discarded material is not expected to be a hazardous waste.
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Disposal Methods:	Perform waste water treatment. Dispose of in a permitted industrial waste landfill following Federal, State, Local, or Provincial regulations.
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Components Subject to USEPA Land Disposal Restrictions:

No chemicals subject to land disposal restrictions. %

XIV. TRANSPORTATION INFORMATION

DOT PAINT, 3, UN 1263, III

XV. REGULATORY INFORMATION

Chemical Name	Regulation	CASRN	%
Ethylene glycol	SARA 313 Reportable:	107-21-1	2.29
Aluminum oxide	SARA 313 Reportable:	1344-28-1	0.18
Xylene (mixed isomers)	SARA 313 Reportable:	1330-20-7	0.01
Carbon Black	California Proposition 65 Cancer List:	1333-86-4	0.04
Quartz	New Jersey Right To Know:	14808-60-7	55.74
aliphatic petroleum distillates	New Jersey Right To Know:	64742-47-8	22.86
Ethylene Glycol	New Jersey Right To Know:	107-21-1	2.29
Organoclay	New Jersey Right To Know:		2.12
Pigment Black 9	New Jersey Right To Know:	8021-99-6	1.94
Hydrocarbon mixture	New Jersey Right To Know:	8042-47-5	1.7

XVI. ADDITIONAL INFORMATION

Other Information:

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MSDS glossary.