



M890-004 POLY BUF MEDIUM - BLACK

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: M890-004 POLY BUF MEDIUM - BLACK

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 04/10/05
SUPERCEDES: 21/12/01
MSDS NO. M890-004

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
aliphatic petroleum distillates	51-60	64742-47-8	No PEL established
Quartz	11-20	14808-60-7	see Table Z-3
Organoclay	1-10	68911-87-5	No PEL established
Ethylene Glycol	1-10	107-21-1	No PEL established
Hydrocarbon mixture	1-10	8042-47-5	No PEL established
Dinonylphenoxypolyethoxyethanol	1-10	68891-21-4	No PEL established
paint additive	1-10	PROPRIETARY	No PEL established
1,2,4-trimethylbenzene	1-10	95-63-6	No PEL established
aliphatic hydrocarbons	1-10	8052-41-3	500 ppm TWA; 2900 mg/m3 TWA
carbon black	<1	1333-86-4	3.5 mg/m3 TWA
Methanol	<1	67-56-1	200 ppm TWA; 260 mg/m3 TWA

III. HAZARDS IDENTIFICATION

Routes of Entry: Absorption., Eye contact., Ingestion., Inhalation and skin.
Medical Conditions Aggravated: Persons with reduced pulmonary function may experience breathing difficulty. Pre-existing skin or respiratory conditions. Eye disease. Kidney disease. Skin disease including eczema and sensitization. Digestive tract 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. Can cause severe central nervous system depression (including unconsciousness). 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). Can cause moderate injury (reddening and swelling). Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. No hazard in normal industrial use.

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

Skin Absorption: Can be absorbed through the skin but exposure must be extensive before adverse health effects occur. Contains methanol. Upon prolonged or repeated exposure, may cause deterioration of the optic nerve if large quantities are absorbed through the skin. Repeated absorption of large quantities may lead to blindness. No absorption hazard in normal industrial use.

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. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Target Organ Acute Toxicity:

Silica, crystalline	respiratory system, eyes (in animals: lung cancer)
Ethylene glycol	respiratory system, skin, eyes, CNS
1,2,4-Trimethylbenzene	eyes, skin, respiratory system, CNS, blood
Stoddard solvent	skin, eyes, CNS, respiratory system, kidneys
Carbon black	respiratory system, eyes, lymphatic cancer
Methyl alcohol	skin, eyes, CNS, GI tract, respiratory system

Long-Term (Chronic) Health Effects:

Carcinogenicity: Material did not cause cancer in long-term animal studies. 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 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 moderate 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 moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

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.

Skin Absorption: Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage.

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. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.

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: "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Avoid contact with material. Minimize dust generation and accumulation. 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. Keep away from sources of ignition. Store in a cool dry place. Isolate from incompatible materials.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls: Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product. 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:	COLORED LIQUID
Odor:	STRONG SOLVENT
Solids Vol %:	18.8591
Solids Wt %:	30.622
Material VOC lbs/gal:	5.3722
Material VOC gms/l:	645.1535
Coatings VOC lbs/gal:	5.4623
Coatings VOC gms/l:	655.9724
Weight per gallon lbs:	7.9618

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: Heat, flames, sparks 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
Benzene, 1,2,4-trimethyl-	95-63-6	Inhalation LC50 Rat : 18 gm/m3/4H; Oral LD50 Rat : 5 gm/kg
Carbon black	1333-86-4	Oral LD50 Rat : >15400 mg/kg; Dermal LD50 Rabbit : >3 gm/kg
Methanol	67-56-1	Inhalation LC50 Rat : 64000 ppm/4H; Oral LD50 Rat : 5628 mg/kg; Oral LD50 Mouse : 7300 mg/kg; Dermal LD50 Rabbit : 15800 mg/kg

XII. ECOLOGICAL INFORMATION

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

XIII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: The waste may be a characteristic hazardous waste. Spent or discarded material is a hazardous waste.

Disposal Methods: Comply with all Local, State, Federal, and Provincial 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:

Methanol 67-56-1 0.24 %

XIV. TRANSPORTATION INFORMATION

DOT PAINT RELATED MATERIAL, 3 UN 1263, III
See 49CFR 172.101 for Special Provisions, Packaging, and Quantity Limitations.

XV. REGULATORY INFORMATION

Chemical Name	Regulation	CASRN	%
Ethylene glycol	SARA 313 Reportable:	107-21-1	6.01
1,2,4-Trimethylbenzene	SARA 313 Reportable:	95-63-6	1.22
Methanol	SARA 313 Reportable:	67-56-1	0.24
Lead	SARA 313 Reportable:	7439-92-1	0.00
Zinc	SARA 313 Reportable:	7440-66-6	0.00
Selenium	SARA 313 Reportable:	7782-49-2	0.00
Chromium	SARA 313 Reportable:	7440-47-3	0.00
Barium	SARA 313 Reportable:	7440-39-3	0.00
Mercury	SARA 313 Reportable:	7439-97-6	0.00
Copper	SARA 313 Reportable:	7440-50-8	0.00
Arsenic	SARA 313 Reportable:	7440-38-2	0.00
Antimony	SARA 313 Reportable:	7440-36-0	0.00
Cadmium	SARA 313 Reportable:	7440-43-9	100.00
			0.00
Quartz	California Proposition 65 Cancer List:	14808-60-7	12.53
Carbon Black	California Proposition 65 Cancer List:	1333-86-4	0.38
Lead	California Proposition 65 Cancer List:	7439-92-1	0.00
Arsenic	California Proposition 65 Cancer List:	7440-38-2	0.00
Cadmium	California Proposition 65 Cancer List:	7440-43-9	100.00
			0.00
Lead	California Proposition 65 Developmental Toxicity:	7439-92-1	0.00
Mercury	California Proposition 65 Developmental Toxicity:	7439-97-6	0.00
Cadmium	California Proposition 65 Developmental Toxicity:	7440-43-9	100.00
			0.00
Lead	California Proposition 65 Reproductive - Male:	7439-92-1	0.00
Lead	California Proposition 65 Reproductive - Female:	7439-92-1	0.00
Cadmium	California Proposition 65 Reproductive - Female:	7440-43-9	100.00
			0.00
aliphatic petroleum distillates	New Jersey Right To Know:	64742-47-8	58.74
Quartz	New Jersey Right To Know:	14808-60-7	12.53
Organoclay	New Jersey Right To Know:	68911-87-5	7.13
Ethylene Glycol	New Jersey Right To Know:	107-21-1	6.01
Hydrocarbon mixture	New Jersey Right To Know:	8042-47-5	4.45

XVI. ADDITIONAL INFORMATION

Other Information:

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MSDS glossary.