



B370-817 Raw Umber Furniture Powder

MATERIAL SAFETY DATA SHEET

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

Health: 1 Flammability: 0 Reactivity 0

PRODUCT NAME: B370-817 Raw Umber Furniture Powder

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 31/01/02
SUPERCEDES: None
MSDS NO. B370-817

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Ferric oxide	81-90	1309-37-1	10 mg/m3 TWA
Manganese Trioxide	1-10	1317-34-6	OSHA TWA 10mg/m3 (Fe) ACGIH TWA 5 mg/m3 (Fe)
Carbon Black	1-10	1333-86-4	3.5 mg/m3 TWA
Quartz	1-10	14808-60-7	see Table Z-3

III. HAZARDS IDENTIFICATION

Routes of Entry: Inhalation., Ingestion., Skin contact., Eye contact.
Medical Conditions Aggravated: Respiratory disease including asthma and bronchitis. Eye 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 minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.

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

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

Target Organ Acute Toxicity:

Iron oxide dust and fume	respiratory system
Carbon black	respiratory system, eyes, lymphatic cancer
Silica, crystalline	respiratory system, eyes (in animals: lung cancer)

Long-Term (Chronic) Health Effects:

Carcinogenicity: Contains a substance that is a probable cancer hazard as a respirable state based on human studies.

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

Skin Contact: Prolonged or repeated contact may cause irritation.

Eye Contact: Upon prolonged or repeated contact, dust contact can cause mechanical irritation.

Target Organ Chronic Toxicity: Respiratory Tract. Lungs. Eyes.

Supplemental Health Hazard Information: No additional health information available.

IV. FIRST AID

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

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. 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: 38C; 100F

Fire Hazards: Use process enclosures to control the level of dust in the air. Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

Extinguishing Media: Dry Chemical, CO₂, Water Spray, or Regular Foam. Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Fire Fighting Instructions: Use process enclosures to control the level of dust in the air. Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

Hazardous Combustion Products: 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: Wash thoroughly after handling. Use bonding and grounding when transferring quantities of material. Avoid contact with material. Minimize dust generation and accumulation.

Storage: Keep away from sources of ignition. Keep container closed when not in use.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls: Explosion proof ventilation as required to control airborne dust levels.

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 Powder
Odor: None to very faint
Solids Vol %: 100
Solids Wt %: 100
Material VOC lbs/gal: 0.00
Material VOC gms/l: 0.00
Weight per gallon: 27.5417

X. STABILITY AND REACTIVITY

Stability Information: Stable.
Conditions to Avoid: Contamination. High temperatures.
Chemical Incompatibility: Strong oxidizing agents. Oxidizing materials. Metals.
Hazardous Polymerization: Hazardous Polymerization will not occur.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
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.

Ecological Toxicity Values:

XIII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: Spent or discarded material is a hazardous waste.

Disposal Methods: Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations. Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Potential EPA Waste Codes: D001

Components Subject to USEPA Land Disposal Restrictions:

No chemicals subject to land disposal restrictions. %

XIV. TRANSPORTATION INFORMATION

DOT Non-regulated

XV. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA): In compliance.

Chemical Name	Regulation	CASRN	%
No 313-listed chemicals in this product	SARA 313 Reportable:		
Carbon Black	California Proposition 65 Cancer List:	1333-86-4	4.00
Ferric oxide	New Jersey Right To Know:	1309-37-1	85.00
Manganese Trioxide	New Jersey Right To Know:	1317-34-6	10.00
Carbon black	New Jersey Right To Know:	1333-86-4	4.00
Quartz	New Jersey Right To Know:	14808-60-7	1.00

XVI. ADDITIONAL INFORMATION

Other Information:

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MSDS glossary.