



M741-501 FIL-O-WOOD CHERRY

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: 0 Reactivity 0

PRODUCT NAME: M741-501 FIL-O-WOOD CHERRY

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 08/06/06
SUPERCEDES: 03/01/03
MSDS NO. M741-501

II. COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | % | CAS # | PEL |
|-----------------------------|-------|-------------|---|
| Quartz | 31-40 | 14808-60-7 | see Table Z-3 |
| nepheline syenite mixture 1 | 31-40 | 37244-96-5 | 5mg/m3 TWA (respirable fraction) |
| iron oxide yellow | 1-10 | proprietary | No PEL established |
| iron oxide red | 1-10 | 51274-00-1 | No PEL established |
| iron oxide | 1-10 | 1332-37-2 | No PEL established |
| | | | ACGIH TLV: 5mg/M3 TWA OSHA STEL: 10 ppm (iron Oxide Fume as Fe) |
| propylene glycol | 1-10 | 57-55-6 | No PEL established |
| carbon black | <1 | 1333-86-4 | 3.5 mg/m3 TWA |
| formaldehyde | <1 | 50-00-0 | 0.75 ppm TWA |
| ARSENIC | <1 | 7440-38-2 | organic compounds, as As: 0.5 mg/m3 TWA |
| LEAD | <1 | 7439-92-1 | No PEL established |

III. HAZARDS IDENTIFICATION

Routes of Entry: Inhalation, eye contact, Eyes, Skin, Inhalation, inhalation, ingestion., Absorption.
Medical Conditions Aggravated: Eye disease. Respiratory disease including asthma and bronchitis. Kidney disease. Liver 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. Slightly irritating to the respiratory tract. Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. No hazard in normal industrial use.

Eye Contact: Irritating and may injure eye tissue if not removed promptly. Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue. 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 absorption hazard in normal industrial use. Toxic if absorbed through the skin. Likely to cause significant systemic damage. Highly toxic if absorbed through the skin. Likely to cause significant systemic damage even if small quantities are absorbed through skin. May be fatal if a large quantity is absorbed.

Ingestion: 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) |
| Iron oxide dust and fume | respiratory system |
| Carbon black | respiratory system, eyes, lymphatic cancer |
| Formaldehyde (and formalin) | eyes, skin, respiratory system, nasal cancer |
| Arsenic (inorganic compounds) | liver, kidneys, skin, lungs, lymphatic system, lung and lymphatic cancer |
| Lead | GI tract, CNS, kidneys, blood, gingival tissue, eyes |

Long-Term (Chronic) Health Effects:

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

Reproductive and Developmental Toxicity: Contains a substance(s) that is a possible reproductive system hazard based on high dose tests with laboratory animals.

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 severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

Skin Contact: Not generally an irritant and is only mildly irritating to the skin upon prolonged or repeated contact. 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 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: Upon prolonged or repeated exposure, highly toxic if absorbed through the skin. Likely to cause significant systemic damage and may be fatal.

Target Organ Chronic Toxicity: Eyes. Respiratory Tract. Kidneys. Liver. Lungs. Skin. Blood. Digestive Tract. 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.

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

Ingestion: No hazard expected under normal industrial use. If a large quantity is swallowed, seek medical attention. Do not induce vomiting. Get medical attention. 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: No additional first aid information available.

V. FIRE FIGHTING MEASURES

Flammability Summary:

Flash Point: >200 (CALC.) °F

Fire Hazards: Use process enclosures to control the level of dust in the air. Material will not burn.

Extinguishing Media: Use methods suitable to fight surrounding fire.

Fire Fighting Instructions: Use methods for the surrounding fire.

Hazardous Combustion Products: Carbon monoxide Toxic fumes.

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. Avoid creating dusts. Dust may be a mechanical irritant but not a fire or explosion hazard. Wash thoroughly after handling. Keep in air-tight containers- material is hygroscopic. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse. 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. Do not store near combustible materials. Keep away from heat, sparks, and flame. Keep away from food and drinking water. No special requirements.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls: Ventilation is required to maintain operator exposure below published exposure limits. Explosion proof exhaust ventilation should be used. Facilities storing or using this material should be equipped with an eyewash and safety shower. Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

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: | PASTE |
| Odor: | AMINE |
| Solids Vol %: | 57.2703 |
| Solids Wt %: | 75.8549 |
| Material VOC lbs/gal: | 0.3396 |
| Material VOC gms/l: | 40.7872 |
| Coatings VOC lbs/gal: | 0.5533 |
| Coatings VOC gms/l: | 66.4452 |
| Weight per gallon lbs: | 14.4129 |

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: | Contamination. High temperatures. None known. |
| Chemical Incompatibility: | Strong oxidizing agents. Metals. Acids. Strong reducing agents. Strong alkalis. Strong acids. Chlorinated compounds. Nitrogen oxides. Peroxides. |
| Hazardous Polymerization: | Hazardous Polymerization will not occur. |

XI. TOXICOLOGICAL INFORMATION

| Chemical Name | CAS Number | LD50/LC50 |
|-----------------|------------|---|
| 1,2-Propanediol | 57-55-6 | Oral LD50 Rat : 20 gm/kg; Oral LD50 Mouse : 22 gm/kg; Dermal LD50 Rabbit : 20800 mg/kg |
| Carbon black | 1333-86-4 | Oral LD50 Rat : >15400 mg/kg; Dermal LD50 Rabbit : >3 gm/kg |
| Formaldehyde | 50-00-0 | Inhalation LC50 Rat : 203 mg/m3; Inhalation LC50 Mouse : 454 gm/m3/4H; Oral LD50 Rat : 100 mg/kg; Oral LD50 Mouse : 42 mg/kg; Dermal LD50 Rabbit : 270 uL/kg |
| Arsenic | 7440-38-2 | Oral LD50 Rat : 763 mg/kg; Oral LD50 Mouse : 145 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: | Spent or discarded material is not expected to be a hazardous waste. Spent or discarded material may be a hazardous waste. |
| Disposal Methods: | Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations. Perform waste water treatment. Dispose of in a landfill. Disposal is not likely to be regulated. |

Components Subject to USEPA Land Disposal Restrictions:

| | | |
|---------|-----------|--------|
| Arsenic | 7440-38-2 | 0.00 % |
| Lead | 7439-92-1 | 0.00 % |

XIV. TRANSPORTATION INFORMATION

| | |
|------------|--|
| DOT | NON REGULATED |
| | See 49CFR 172.101 for Special Provisions, Packaging, and Quantity Limitations. |

XV. REGULATORY INFORMATION

| Chemical Name | Regulation | CASRN | % |
|-----------------|----------------------------|-----------|--------|
| 2-Butoxyethanol | SARA 313 Reportable: | 111-76-2 | 0.44 |
| Formaldehyde | SARA 313 Reportable: | 50-00-0 | 0.01 |
| Arsenic | SARA 313 Reportable: | 7440-38-2 | 0.00 |
| Lead | SARA 313 Reportable: | 7439-92-1 | 0.00 |
| Cadmium | SARA 313 Reportable: | 7440-43-9 | 100.00 |
| | | | 0.00 |
| Mercury | SARA 313 Reportable: | 7439-97-6 | 0.00 |
| Formaldehyde | Extremely Haz. Substances: | 50-00-0 | 0.01 |

| | | | |
|---|--|-------------|--------|
| TPQ = 500 pounds; RQ = 100 pounds (does not meet toxicity criteria but because of high production volume and recognized toxicity is considered a chemical of concern) | SARA Threshold Planning Quantity: | 50-00-0 | 0.01 |
| Quartz | California Proposition 65 Cancer List: | 14808-60-7 | 32.23 |
| Carbon Black | California Proposition 65 Cancer List: | 1333-86-4 | 0.08 |
| Formaldehyde (gas) | California Proposition 65 Cancer List: | 50-00-0 | 0.01 |
| Arsenic | California Proposition 65 Cancer List: | 7440-38-2 | 0.00 |
| Lead | California Proposition 65 Cancer List: | 7439-92-1 | 0.00 |
| Cadmium | California Proposition 65 Cancer List: | 7440-43-9 | 100.00 |
| Lead | California Proposition 65 Developmental Toxicity: | 7439-92-1 | 0.00 |
| Cadmium | California Proposition 65 Developmental Toxicity: | 7440-43-9 | 100.00 |
| Mercury | California Proposition 65 Developmental Toxicity: | 7439-97-6 | 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 |
| Quartz | New Jersey Right To Know: | 14808-60-7 | 32.23 |
| nepheline syenite mixture 1 | New Jersey Right To Know: | 37244-96-5 | 30.03 |
| iron oxide yellow | New Jersey Right To Know: | proprietary | 4.28 |
| iron oxide red | New Jersey Right To Know: | 51274-00-1 | 3.27 |
| | New Jersey Right To Know: | 1332-37-2 | 1.88 |

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.