



B740-133 FURNITURE REFINISHER

MATERIAL SAFETY DATA SHEET

RPM Wood Finishes Group
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828-728-8266

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

Health: 3 Flammability: 3 Reactivity 0

PRODUCT NAME: B740-133 FURNITURE REFINISHER

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 25/09/03
SUPERCEDES: 18/09/03
MSDS NO. B740-133

II. COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | % | CAS # | PEL |
|---------------|-------|-----------|------------------------------|
| Methanol | 51-60 | 67-56-1 | 200 ppm TWA; 260 mg/m3 TWA |
| toluene | 11-20 | 108-88-3 | 200 ppm TWA; C 300 ppm |
| acetone | 11-20 | 67-64-1 | 1000 ppm TWA; 2400 mg/m3 TWA |
| isopropanol | 1-10 | 67-63-0 | 400 ppm TWA; 980 mg/m3 TWA |
| linseed oil | 1-10 | 8001-26-1 | No PEL established |

III. HAZARDS IDENTIFICATION

Routes of Entry: Inhalation., Absorption., Ingestion., Skin contact., Eye contact.
Medical Conditions Aggravated: Eye disease. Skin disease including eczema and sensitization. Digestive tract disease. Respiratory disease including asthma and bronchitis. Kidney disease. Liver disease.

Immediate (Acute) Health Effects

Inhalation: Irritation may be delayed for several hours. Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

Skin Contact: Substance causes moderate skin irritation. Can cause minor skin irritation, defatting, and dermatitis.

Eye Contact: Can cause irritation. 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: 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. Can be absorbed through the skin but exposure must be extensive before adverse health effects occur. No absorption hazard in normal industrial use.

Ingestion: Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Target Organ Acute Toxicity:

| | |
|-------------------|---|
| Methyl alcohol | skin, eyes, CNS, GI tract, respiratory system |
| Toluene | CNS, liver, kidneys, skin, eyes, respiratory system |
| Acetone | respiratory system, skin, eyes, CNS |
| Isopropyl alcohol | eyes, skin, respiratory system |

Long-Term (Chronic) Health Effects:

Carcinogenicity: ACGIH. IARC. NIOSH. NTP. OSHA. Contains a substance that is a probable cancer hazard based on human studies.

Reproductive and Developmental Toxicity: Possible reproductive hazard. No data.

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: 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, 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: 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, harmful if absorbed through the skin. May cause severe irritation and systemic damage.

Target Organ Chronic Toxicity: Eyes. Skin. Digestive Tract. Nervous System. Respiratory Tract. Kidneys. Liver.

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 eyes with plenty of water. Get medical attention, if irritation persists. Immediately 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 and monitor the eye daily as advised by your physician. |
| Skin Contact: | Wash with soap and water. Get medical attention if irritation develops or persists. Wash with soap and water. Get medical attention if irritation develops or persists. |
| Ingestion: | 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: | 54 (CALC.) °F |
| Upper Flammable/Explosive Limit, % in air: | 12.8 @ 77° F |
| Lower Flammable/Explosive Limit, % in air: | 1.4 @ 77° F |

Fire Hazards: Vapors are heavier than air and can travel to a source of ignition and flash back. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. If product is heated above its flash point it will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. 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: Alcohol foam Use alcohol resistant spray, Carbon Dioxide, water spray or dry chemical to extinguish a fire involving this chemical. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.

Fire Fighting Instructions: Water spray may be used to cool containers however be careful not to spread the fire with the water used for cooling purposes. Use methods for the surrounding fire. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Do not enter fire area without proper protection including self-contained toxic 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. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

VI. ACCIDENTAL RELEASE MEASURES

Health Consideration for Spill Response: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

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: Use spark-proof tools and explosion-proof equipment. Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area.

Storage: Keep away from sources of ignition. Keep away from heat, sparks, and flame. Spontaneous combustion can occur. Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls: Ventilation should effectively remove and prevent buildup of any vapor/mist/fume generated from the handling of this product. 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: | CLOUDY LIQUID |
| Odor: | STRONG SOLVENT |
| Solids Vol %: | 1.7954 |
| Solids Wt %: | 2.0451 |
| Material VOC lbs/gal: | 5.5679 |
| Material VOC gms/l: | 668.6513 |
| Coatings VOC lbs/gal: | 6.5895 |
| Coatings VOC gms/l: | 791.3373 |
| Weight per gallon: | 6.7406 |

X. STABILITY AND REACTIVITY

Stability Information: Normally stable. Keep away from heat, sparks and flame.

Conditions to Avoid: Avoid: heat, sparks, flame and oxidizing agents. None known.

Chemical Incompatibility: Strong oxidizing agents. Strong acids. Oxidizing materials.

XI. TOXICOLOGICAL INFORMATION

| Chemical Name | CAS Number | LD50/LC50 |
|----------------------|-------------------|--|
| 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 |
| Toluene | 108-88-3 | Inhalation LC50 Rat : 49 gm/m ³ /4H; Inhalation LC50 Mouse : 400 ppm/24H; Oral LD50 Rat : 636 mg/kg; Dermal LD50 Rabbit : 14100 uL/kg |
| Acetone | 67-64-1 | Inhalation LC50 Rat : 50100 mg/m ³ /8H; Inhalation LC50 Mouse : 44 gm/m ³ /4H; Oral LD50 Rat : 5800 mg/kg; Oral LD50 Mouse : 3 gm/kg |
| Isopropyl alcohol | 67-63-0 | Inhalation LC50 Rat : 16000 ppm/8H; Oral LD50 Rat : 5045 mg/kg; Oral LD50 Mouse : 3600 mg/kg; Dermal LD50 Rabbit : 12800 mg/kg |

XII. ECOLOGICAL INFORMATION

Overview (for ingredients): Keep out of waterways. No ecological information available.

XIII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: The waste may be a "special" waste. The waste may be a listed and/or 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 by incineration 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 | 57.19 % |
| Toluene | 108-88-3 | 16.71 % |
| Acetone | 67-64-1 | 15.16 % |

XIV. TRANSPORTATION INFORMATION

DOT PAINT 3 UN1263 PGII ; QUART OR LESS SHIP ORM-D

XV. REGULATORY INFORMATION

| Chemical Name | Regulation | CASRN | % |
|----------------------|--|--------------|----------|
| Methanol | SARA 313 Reportable: | 67-56-1 | 57.19 |
| Toluene | SARA 313 Reportable: | 108-88-3 | 16.71 |
| Isopropyl alcohol | SARA 313 Reportable: | 67-63-0 | 8.89 |
| Manganese | SARA 313 Reportable: | 7439-96-5 | 0.00 |
| Cobalt | SARA 313 Reportable: | 7440-48-4 | 0.00 |
| Cobalt metal powder | California Proposition 65 Cancer List: | 7440-48-4 | 0.00 |
| Toluene | California Proposition 65 Developmental Toxicity: | 108-88-3 | 16.71 |
| Methanol | New Jersey Right To Know: | 67-56-1 | 57.19 |
| toluene | New Jersey Right To Know: | 108-88-3 | 16.71 |
| acetone | New Jersey Right To Know: | 67-64-1 | 15.16 |
| isopropanol | New Jersey Right To Know: | 67-63-0 | 8.89 |
| linseed oil | New Jersey Right To Know: | 8001-26-1 | 2.04 |

XVI. ADDITIONAL INFORMATION**Other Information:**

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MSDS glossary.