



B504-000 Heavy Bodied Glaze

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: 2 Reactivity 0

PRODUCT NAME: B504-000 Heavy Bodied Glaze

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 26/02/02
SUPERCEDES: None
MSDS NO. B504-000
OSHA HAZ. CLASS: Eye irritant. Neurotoxin - may cause nervous system damage.
Mucous membrane (respiratory tract) irritant.

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Light aromatic solvent naphtha	31-40	64742-95-6	No PEL established
Linseed Oil, Acid Refined	21-30	8001-26-1	No PEL established
Trimethylbenzene	11-20	25551-13-7	No PEL established
Heavy aromatic solvent naphtha (Petroleum)	1-10	64742-94-5	No PEL established
1-Methoxy-2-hydroxypropane	1-10	107-98-2	No PEL established
Xylene	1-10	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
Cumene	<1	98-82-8	50 ppm TWA; 245 mg/m3 TWA
Naphthalene	<1	91-20-3	10 ppm TWA; 50 mg/m3 TWA
Ethylbenzene	<1	100-41-4	100 ppm TWA; 435 mg/m3 TWA
Crystalline Silica	<1	14464-46-1	see Table Z-3
Quartz	<1	14808-60-7	see Table Z-3

III. HAZARDS IDENTIFICATION

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

Immediate (Acute) Health Effects

- Inhalation:** No hazard in normal industrial use. Can cause severe central nervous system depression (including unconsciousness). Causes respiratory tract irritation. Dust irritating to respiratory tract. Chronic lung disease (silicosis) and/or lung cancer may result from prolonged/repeated breathing of the dust of this material. Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.
- Skin Contact:** Moderately irritating to the skin. Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.
- Eye Contact:** Can cause mechanical irritation if dusts are generated. { Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.
- Skin Absorption:** Toxic and may be harmful if absorbed through the skin; may produce target organ damage. Harmful if absorbed through the skin. May cause severe irritation and systemic damage.
- 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:

Propylene glycol monomethyl ether	eyes, skin, respiratory system, CNS
Xylenes (o-, m-, p- isomers)	CNS, eyes, blood, liver, kidneys, skin, GI tract, respiratory system
Cumene	eyes, respiratory system, skin, CNS
Naphthalene	eyes, blood, liver, kidneys, skin, CNS
Ethyl benzene	eyes, respiratory system, skin, CNS
Silica, crystalline	respiratory system, eyes (in animals: lung cancer)

Long-Term (Chronic) Health Effects:

- Carcinogenicity:** Contains a known human carcinogen.
- Reproductive and Developmental Toxicity:** A component in this product has been shown to cause birth defects and reproductive disorders in laboratory animals at doses that could be encountered in the workplace.
- Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
- Skin Contact:** May cause lingering effects but not likely to result in permanent damage if the exposure is eliminated.
- Eye Contact:** Upon prolonged or repeated contact, dust contact can cause mechanical irritation.
- Skin Absorption:** Skin sensitization, characterized by redness, inflammation, itching and/or burning may result from prolonged or repeated contact with this material.

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

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. 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. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get medical attention immediately.

Ingestion: Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal. 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: -20C; -4F

Fire Hazards: Vapors may be ignited by sparks, flames or other sources of ignition if material is above the 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 H₂O, CO₂, dry chemical, 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: Vapors may be ignited by sparks, flames or other sources of ignition if material is above the 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:** As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Avoid contact with material. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment. Minimize dust generation and accumulation.
- Storage:** Spontaneous combustion can occur. Keep container closed when not in use. Limit quantity of material stored. Avoid exposure to sunlight or ultraviolet (UV) light sources. Do not store near combustible materials. Keep away from sources of ignition.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls: Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Facilities storing or using this material should be equipped with an eyewash and safety shower. Use process enclosures to control the level of dust in the air.

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 VISCOUS LIQUID
Odor:	OILY HYDROCARBON
Solids Vol %:	37.0246
Solids Wt %:	41.2399
Material VOC lbs/gal:	4.5974
Material VOC gms/l:	552.1105
Weight per gallon:	7.8419

X. STABILITY AND REACTIVITY

Stability Information: Spontaneous combustion can occur.

Conditions to Avoid: Avoid: heat, sparks, flame and oxidizing agents.

Chemical Incompatibility: Strong oxidizing agents. Chlorine. Oxidizing materials. Strong acids. Acids. Metals.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Benzene, trimethyl- (mixed isomers)	25551-13-7	Oral LD50 Rat : 8970 mg/kg
2-Propanol, 1-methoxy-	107-98-2	Inhalation LC50 Rat : 10000 ppm/5H; Oral LD50 Mouse : 11700 mg/kg; Dermal LD50 Rabbit : 13 gm/kg
Xylene	1330-20-7	Inhalation LC50 Rat : 5000 ppm/4H; Oral LD50 Rat : 4300 mg/kg; Dermal LD50 Rabbit : >1700 mg/kg
Cumene	98-82-8	Inhalation LC50 Mouse : 10 gm/m3/7H; Oral LD50 Rat : 1400 mg/kg; Oral LD50 Mouse : 12750 mg/kg; Dermal LD50 Rabbit : 12300 uL/kg
Naphthalene	91-20-3	Inhalation LC50 Rat : >340 mg/m3/1H; Oral LD50 Rat : 490 mg/kg; Oral LD50 Mouse : 533 mg/kg; Dermal LD50 Rabbit : >20 gm/kg
Benzene, ethyl-	100-41-4	Oral LD50 Rat : 3500 mg/kg; Dermal LD50 Rabbit : 17800 uL/kg

XII. ECOLOGICAL INFORMATION

Overview (for ingredients): No data available.

Ecological Toxicity Values:

XIII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures. 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:

Xylenes (o-, m-, p- isomers)	1330-20-7	1.44 %
Naphthalene	91-20-3	0.71 %
Ethyl benzene	100-41-4	0.24 %

XIV. TRANSPORTATION INFORMATION

DOT UN1263 PGIII

XV. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA): A component (or components) of this product is not listed on the TSCA Inventory of Existing Chemical Substances.

Chemical Name	Regulation	CASRN	%
Xylene (mixed isomers)	SARA 313 Reportable:	1330-20-7	1.44
Cumene	SARA 313 Reportable:	98-82-8	0.72
Naphthalene	SARA 313 Reportable:	91-20-3	0.71
Ethyl benzene	SARA 313 Reportable:	100-41-4	0.24
Light aromatic solvent naphtha	New Jersey Right To Know:	64742-95-6	30.21
Linseed Oil, Acid Refined	New Jersey Right To Know:	8001-26-1	29.46
Trimethylbenzene	New Jersey Right To Know:	25551-13-7	15.47
Organo Clay	New Jersey Right To Know:		10.81

XVI. ADDITIONAL INFORMATION

Other Information:

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MSDS glossary.