



B514-848 Raw Sienna Shading Stain

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: B514-848 Raw Sienna Shading Stain

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 11/02/02
SUPERCEDES: None
MSDS NO. B514-848

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Solvent naphtha (petroleum) medium aliphatic	51-60	64742-88-7	No PEL established
Alkyd Resins	11-20		No PEL established
Magnesium Silicate Hydrate	1-10	14807-96-6	see Table Z-3
Methanol	1-10	67-56-1	200 ppm TWA; 260 mg/m3 TWA
n-Butyl stearate	1-10	123-95-5	No PEL established
n-Butyl alcohol	1-10	71-36-3	100 ppm TWA; 300 mg/m3 TWA
1,2,4 -trimethylbenzene	1-10	95-63-6	No PEL established
Xylene	<1	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
Quartz	<1	14808-60-7	see Table Z-3
Ethylbenzene	<1	100-41-4	100 ppm TWA; 435 mg/m3 TWA
Crystalline Silica	<1	14464-46-1	see Table Z-3

III. HAZARDS IDENTIFICATION

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

Immediate (Acute) Health Effects

Inhalation: Can cause mechanical irritation if dusts are generated. Causes respiratory tract irritation. Chronic lung disease (silicosis) and/or lung cancer may result from prolonged/repeated breathing of the dust of this material. Dust irritating to respiratory tract. 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: 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. { 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. Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Target Organ Acute Toxicity:

Talc (containing no asbestos and less than 1% quartz)	CVS, eyes, respiratory system
Methyl alcohol	skin, eyes, CNS, GI tract, respiratory system
n-Butyl alcohol	skin, eyes, respiratory system, CNS
1,2,4-Trimethylbenzene	eyes, skin, respiratory system, CNS, blood
Xylenes (o-, m-, p- isomers)	CNS, eyes, blood, liver, kidneys, skin, GI tract, respiratory system
Silica, crystalline	respiratory system, eyes (in animals: lung cancer)
Ethyl benzene	eyes, respiratory system, skin, CNS

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. Respiratory Tract. Skin. Digestive Tract. Nervous System. 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:	< 140F
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:	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:	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.
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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.
Storage: Keep away from sources of ignition. Keep container closed when not in use.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls: 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 LIQUID
Odor: OILY HYDROCARBON
Solids Vol %: 24.384
Solids Wt %: 37.1394
Material VOC lbs/gal: 4.8796
Material VOC gms/l: 585.9929
Weight per gallon: 7.7802

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. Strong acids. Metals.

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
Stearic acid, butyl ester	123-95-5	Oral LD50 Rat : 32 gm/kg
Butyl alcohol	71-36-3	Inhalation LC50 Rat : 8000 ppm/4H; Oral LD50 Rat : 790 mg/kg; Oral LD50 Mouse : 2680 mg/kg; Dermal LD50 Rabbit : 3400 mg/kg
Benzene, 1,2,4-trimethyl-Xylene	95-63-6 1330-20-7	Inhalation LC50 Rat : 18 gm/m3/4H; Oral LD50 Rat : 5 gm/kg Inhalation LC50 Rat : 5000 ppm/4H; Oral LD50 Rat : 4300 mg/kg; Dermal LD50 Rabbit : >1700 mg/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: Spent or discarded material is a hazardous waste.

Disposal Methods: 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	3.12 %
n-Butyl alcohol	71-36-3	1.15 %
Xylenes (o-, m-, p- isomers)	1330-20-7	0.61 %
Ethyl benzene	100-41-4	0.11 %

XIV. TRANSPORTATION INFORMATION

DOT Paint Combustible liquid UN1263 PGIII

XV. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA):

Chemical Name	Regulation	CASRN	%
Methanol	SARA 313 Reportable:	67-56-1	3.12
n-Butyl alcohol	SARA 313 Reportable:	71-36-3	1.15
1,2,4-Trimethylbenzene	SARA 313 Reportable:	95-63-6	1.14
Xylene (mixed isomers)	SARA 313 Reportable:	1330-20-7	0.61
Ethyl benzene	SARA 313 Reportable:	100-41-4	0.11
Solvent naphtha (petroleum) medium aliphatic	New Jersey Right To Know:	64742-88-7	55.75
Alkyd Resin	New Jersey Right To Know:		10.13
Pigment	New Jersey Right To Know:		8.66
Resin	New Jersey Right To Know:		5.75
Talc	New Jersey Right To Know:	14807-96-6	3.64

XVI. ADDITIONAL INFORMATION

Other Information:

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MSDS glossary.