



B545-08186 Burnt Umber Wood 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: B545-08186 Burnt Umber Wood Stain

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 31/01/02
SUPERCEDES: None
MSDS NO. B545-08186

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%	CAS #	PEL
Light aromatic solvent naphtha	21-30	64742-95-6	No PEL established
Trimethylbenzene	11-20	25551-13-7	No PEL established
Xylene	11-20	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
Heavy aromatic solvent naphtha (Petroleum)	1-10	64742-94-5	No PEL established
Hydrotreated distillate, light	1-10	68410-97-9	No PEL established
Resin Acids and Rosin Acids, Esters w/glycerol	1-10	8050-31-5	No PEL established
Ethylbenzene	1-10	100-41-4	100 ppm TWA; 435 mg/m3 TWA
Pigment Yellow 14	1-10	5468-75-7	No PEL established
Naphthalene	<1	91-20-3	10 ppm TWA; 50 mg/m3 TWA
Cumene	<1	98-82-8	50 ppm TWA; 245 mg/m3 TWA
1,2,4 -trimethylbenzene	<1	95-63-6	No PEL established
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:	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. Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Target Organ Acute Toxicity:

Xylenes (o-, m-, p- isomers)	CNS, eyes, blood, liver, kidneys, skin, GI tract, respiratory system
Ethyl benzene	eyes, respiratory system, skin, CNS
Naphthalene	eyes, blood, liver, kidneys, skin, CNS
Cumene	eyes, respiratory system, skin, CNS
1,2,4-Trimethylbenzene	eyes, skin, respiratory system, CNS, blood
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:	Skin. Respiratory Tract. Eyes. Nervous System. Digestive Tract. Liver. Kidneys. Blood. None known.

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:** Seek medical advice if symptoms persist. { Immediately flush eyes with plenty of water. Get medical attention, if irritation persists. { 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. { Never give anything by mouth to an unconscious person. 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
Autoignition Temperature: 460 deg. C
Upper Flammable/Explosive Limit, % in air: 7.0 @ 77° F
Lower Flammable/Explosive Limit, % in air: 1.1 @ 77° F

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 Carbon dioxide Water spray 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 affects 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. Use spark-proof tools and explosion-proof equipment. Minimize dust generation and accumulation.

Storage: Keep container closed when not in use. 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 LIQUID
Odor: OILY HYDROCARBON
Solids Vol %: 17.6545
Solids Wt %: 26.8208
Material VOC lbs/gal: 5.9203
Material VOC gms/l: 710.9762
Weight per gallon: 8.1086

X. STABILITY AND REACTIVITY

Stability Information:	Stable.
Conditions to Avoid:	Avoid: heat, sparks, flame and oxidizing agents.
Chemical Incompatibility:	Strong oxidizing agents. Chlorine. Strong acids. Acids. Metals.
Hazardous Polymerization:	Hazardous Polymerization will not occur.

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
Benzene, trimethyl- (mixed isomers)	25551-13-7	Oral LD50 Rat : 8970 mg/kg
Xylene	1330-20-7	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
Butanamide, 2,2'-((3,3'-dichloro(1,1'-biphenyl)-4,4'-diyl)bis(azo))bis(N-(2-methylphenyl)-3-oxo-	5468-75-7	Oral LD50 Rat : >5 gm/kg
Naphthalene	91-20-3	Inhalation LC50 Rat : >340 mg/m ³ /1H; Oral LD50 Rat : 490 mg/kg; Oral LD50 Mouse : 533 mg/kg; Dermal LD50 Rabbit : >20 gm/kg
Cumene	98-82-8	Inhalation LC50 Mouse : 10 gm/m ³ /7H; Oral LD50 Rat : 1400 mg/kg; Oral LD50 Mouse : 12750 mg/kg; Dermal LD50 Rabbit : 12300 uL/kg
Benzene, 1,2,4-trimethyl-	95-63-6	Inhalation LC50 Rat : 18 gm/m ³ /4H; Oral LD50 Rat : 5 gm/kg

XII. ECOLOGICAL INFORMATION

Overview (for ingredients): Highly/very toxic to fish and other water organisms.

Ecological Toxicity Values:

XIII. DISPOSAL CONSIDERATIONS

Waste Description for Spent Product: The waste may be a listed and/or characteristic hazardous waste. 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:

Xylenes (o-, m-, p- isomers)	1330-20-7	10.13 %
Ethyl benzene	100-41-4	1.89 %
Naphthalene	91-20-3	0.81 %

XIV. TRANSPORTATION INFORMATION

DOT Paint Combustible liquid UN1263 PG III

XV. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA):

Chemical Name	Regulation	CASRN	%
Xylene (mixed isomers)	SARA 313 Reportable:	1330-20-7	10.13
Ethyl benzene	SARA 313 Reportable:	100-41-4	1.89
Naphthalene	SARA 313 Reportable:	91-20-3	0.81
Cumene	SARA 313 Reportable:	98-82-8	0.72
1,2,4-Trimethylbenzene	SARA 313 Reportable:	95-63-6	0.14
Light aromatic solvent naphtha	New Jersey Right To Know:	64742-95-6	29.58
Trimethylbenzene	New Jersey Right To Know:	25551-13-7	15.05
Xylene	New Jersey Right To Know:	1330-20-7	10.13

Burnt Umber
Alkyd Resin

New Jersey Right To Know:
New Jersey Right To Know:

9.37
8.04

XVI. ADDITIONAL INFORMATION

Other Information:

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MSDS glossary.