



B500-008 Burnt Umber MSR CLR

MATERIAL SAFETY DATA SHEET

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FOR ALL INTERNATIONAL TRANSPORTATION ACCIDENTS. 1-703-527-3887 (collect)

Health: 2 Flammability: 3 Reactivity 0

PRODUCT NAME: B500-008 Burnt Umber MSR CLR

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

REVISION DATE: 22/02/02
SUPERCEDES: None
MSDS NO. B500-008
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
Xylene	11-20	1330-20-7	100 ppm TWA; 435 mg/m3 TWA
Hydrotreated distillate, light	1-10	68410-97-9	No PEL established
Ferric oxide	1-10	1309-37-1	10 mg/m3 TWA
Ethylbenzene	1-10	100-41-4	100 ppm TWA; 435 mg/m3 TWA
Resin acids and rosin acids, esters w/glycerol	1-10	8050-31-5	No PEL established
Alkyd Resin	1-10		No PEL established
Hydrated Iron Oxide	1-10	51274-00-1	No PEL established
Solvent naphtha (petroleum) medium aliphatic	1-10	64742-88-7	No PEL established
1-Methoxy-2-hydroxypropane	1-10	107-98-2	No PEL established
Quartz	<1	14808-60-7	see Table Z-3
1,2,4 -trimethylbenzene	<1	95-63-6	No PEL established
Crystalline Silica	<1	14464-46-1	see Table Z-3

III. HAZARDS IDENTIFICATION

Routes of Entry: Ingestion., Eyes, Skin, Inhalation, 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:	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:	Toxic and may be harmful if absorbed through the skin; may produce target organ damage. May cause irritation and minor 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
Iron oxide dust and fume	respiratory system
Ethyl benzene	eyes, respiratory system, skin, CNS
Propylene glycol monomethyl ether	eyes, skin, respiratory system, CNS
Silica, crystalline	respiratory system, eyes (in animals: lung cancer)
1,2,4-Trimethylbenzene	eyes, skin, respiratory system, CNS, blood

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. Prolonged or repeated contact may cause irritation.
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. Eyes. Skin. Nervous System. Respiratory Tract.
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 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. { Get medical attention. 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:	-1C; 30F
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: Use process enclosures to control the level of dust in the air. 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: Carbon dioxide Dry chemical 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: Use process enclosures to control the level of dust in the air. 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:

Avoid the generation of dusts during clean-up. 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:

Use spark-proof tools and explosion-proof equipment. Wash thoroughly after handling. Rags or other materials containing this product may oxidize and ignite. All contaminated materials should be isolated immediately to avoid spontaneous combustion. Iron oxide pigments may accelerate this process. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Ground and bond containers when transferring material. Avoid contact with material. Minimize dust generation and accumulation.

Storage:

Keep away from sources of ignition. Limit quantity of material stored. Avoid exposure to sunlight or ultraviolet (UV) light sources. Do not store near combustible materials. Keep container closed when not in use.

VIII. ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Engineering Controls:

Local exhaust. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. 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:	STRONG SOLVENT
Solids Vol %:	43.2933
Solids Wt %:	53.4178
Material VOC lbs/gal:	3.9879
Material VOC gms/l:	478.9073
Weight per gallon:	8.5804

X. STABILITY AND REACTIVITY

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

XI. TOXICOLOGICAL INFORMATION

Chemical Name	CAS Number	LD50/LC50
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
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
Benzene, 1,2,4-trimethyl-	95-63-6	Inhalation LC50 Rat : 18 gm/m3/4H; 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: 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	16.83 %
Ethyl benzene	100-41-4	3.44 %

XIV. TRANSPORTATION INFORMATION

DOT Paint 3 UN1263 PGII

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	%
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Xylene (mixed isomers)	SARA 313 Reportable:	1330-20-7	16.83
Ethyl benzene	SARA 313 Reportable:	100-41-4	3.44
1,2,4-Trimethylbenzene	SARA 313 Reportable:	95-63-6	0.03
Cumene	SARA 313 Reportable:	98-82-8	0.00
Alkyd Resin	New Jersey Right To Know:		30.79
Xylene	New Jersey Right To Know:	1330-20-7	16.83
Hydrotreated distillate, light	New Jersey Right To Know:	68410-97-9	7.31
Ferric oxide	New Jersey Right To Know:	1309-37-1	6.18
Burnt Umber	New Jersey Right To Know:		3.54

XVI. ADDITIONAL INFORMATION

Other Information:

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MSDS glossary.