Material Safety Data Sheet

Issuing Date 19-Apr-2013 **Revision Date** 18-Apr-2013 **Revision Number** 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name **ZAR Oil Based Wood Stain**

Recommended Use Stains, Interior.

Supplier Address
United Gilsonite Laboratories
1396 Jefferson Ave.
Dunmore
PA
18509
US
Phone:570-344-1202
Fax:570-969-7634
Contact: Richard Barako
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Contact Phone570-344-1202

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

May cause eye irritation
FLAMMABLE LIQUID AND VAPOR

Appearance Brown to dark brown solution **Physical State** Liquid. **Odor** Aliphatic

Potential Health Effects

Principle Routes of Exposure Eye contact. Skin contact. Inhalation.

Acute Toxicity

Eyes May cause irritation.
Skin May cause irritation.
Inhalation May be harmful if inhaled.
Ingestion No hazard from product as supplied.

Chronic Effects No known effect based on information supplied.

Aggravated Medical Conditions Pre-existing eye disorders. Blood disorders. Kidney disorders. Skin disorders. Respiratory disorders.

Interactions with Other Chemicals Use of alcoholic beverages may enhance toxic effects.

Environmental Hazard See Section 12 for additional Ecological Information. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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Chemical Name	CAS-No	Weight %

Solvent naphtha (petroleum), medium aliphatic	64742-88-7	40-70
Linseed oil, polymer with Maleic anhydride and Pentaerythritol	67922-98-9	40-70
Iron oxide	1309-37-1	7-13
Kerosene	8008-20-6	5-10
Raw umber	12713-03-0	5-10
Nepheline syenite	37244-96-5	3-7
Iron oxide yellow	51274-00-1	1 - 5
Ferric oxide black	1317-61-9	1 - 5
Iron oxide	1332-37-2	1 - 5
Carbon black	1333-86-4	1 - 5
Titanium dioxide	13463-67-7	1 - 5

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact Wash off immediately with plenty of water.

Inhalation Move to fresh air. Consult a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Ingestion Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting.

Notes to Physician Treat symptomatically.

Protection of First-aiders Remove all sources of ignition.

5. FIRE-FIGHTING MEASURES

Flammable Properties Flammable; may be ignited by heat, sparks or flames. Flammable liquid.

Flash Point 40C / 104F

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol-resistant foam.

Uniform Fire Code Combustible Liquid: II

Hazardous Combustion Products Carbon oxides.

Explosion Data
Sensitivity to Mechanical Impact No.

Specific Hazards Arising from the Chemical Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Sensitivity to Static Discharge Yes.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA **Health Hazard** 1 **Flammability** 2 **Stability** 0 **Physical and Chemical Hazards** -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Remove all sources of ignition. Avoid contact with eyes. Take precautionary measures against static discharges. Use personal protective equipment.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Refer to protective measures listed in Sections 7 and 8.

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use personal protective equipment. Clean contaminated surface thoroughly. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Wear personal protective equipment.

Storage Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Iron oxide 1309-37-1	TWA: 5 mg/m3 respirable fraction	TWA: 10 mg/m3 fume (vacated) TWA: 10 mg/m3 fume	IDLH: 2500 mg/m3 Fe dust and fume TWA: 5 mg/m3 Fe dust and fume
Kerosene 8008-20-6	TWA: 200 mg/m3 total hydrocarbon vapor application restricted to conditions in which there are negligible aerosol exposures S*		TWA: 100 mg/m3
Raw umber 12713-03-0		(vacated) Ceiling: 5 mg/m3 Ceiling: 5 mg/m3 Mn	IDLH: 500 mg/m3Mn TWA: 1 mg/m3 Mn STEL: 3 mg/m3 Mn
Carbon black 1333-86-4	TWA: 3 mg/m3 inhalable fraction	TWA: 3.5 mg/m3 (vacated) TWA: 3.5 mg/m3	IDLH: 1750 mg/m3 TWA: 3.5 mg/m3 TWA: 0.1 mg/m3Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
Titanium dioxide 13463-67-7	TWA: 10 mg/m3	TWA: 15 mg/m3 total dust (vacated) TWA: 10 mg/m3 total dust	IDLH: 5000 mg/m3

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles. Safety glasses with side-shields. Face-shield.

Skin and Body Protection No special protective equipment required. Protective gloves.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Brown to dark brown solution.	**Odor**	Aliphatic.
Odor Threshold	No information available	**Physical State**	Liquid
pH	UNKNOWN		
Flash Point	104F / 40C	**Autoignition Temperature**	No information available
Decomposition Temperature	No information available	**Boiling Point/Range**	No information available
Melting Point/Range	No information available		
Flammability Limits in Air	No information available	**Explosion Limits**	No information available
Water Solubility	Insoluble	**Solubility**	No information available
Evaporation Rate	No information available	**Vapor Pressure**	No data available
Vapor Density	No data available	**Partition Coefficient: n-octanol/water**	

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions.

Incompatible Products None known.

Conditions to Avoid Heat, flames and sparks. Dust formation.

Hazardous Decomposition Products Carbon oxides.

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Dermal VALUE 9375 mg/kg (rat) estimated

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Solvent naphtha (petroleum), medium aliphatic	> 5000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
Iron oxide	> 10000 mg/kg (Rat)	-	-
Kerosene	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
Ferric oxide black	> 10000 mg/kg (Rat)	-	-
Carbon black	15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	-
Titanium dioxide	10000 mg/kg (Rat)	-	-

Chronic Toxicity

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Iron oxide		Group 3		
Kerosene	A3	Group 3		
Carbon black	A3	Group 2B		X
Titanium dioxide		Group 2B		X

ACGIH: (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC: (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
Group 3 - Not Classifiable as to Carcinogenicity in Humans
OSHA: (Occupational Safety & Health Administration)
X - Present

Target Organ Effects Blood. Central nervous system (CNS). Eyes. Kidney. Lungs. Lymphatic System. Respiratory system. Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Solvent naphtha (petroleum), medium aliphatic	EC50: 450 mg/L (96 h) Pseudokirchneriella subcapitata	LC50: 800 mg/L (96 h static) Pimephales promelas		EC50: > 100 mg/L (48 h) Daphnia magna
Carbon black				EC50: > 5600 mg/L (24 h) Daphnia magna

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging Dispose of in accordance with local regulations.

US EPA Waste Number D001

California Hazardous Waste Codes 331

14. TRANSPORT INFORMATION

DOT NOT REGULATED

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Not determined

U.S. Federal Regulations

SARA 313

Section313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Raw umber	12713-03-0	5-10	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Raw umber	12713-03-0	5-10	Present			

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Carbon black	1333-86-4	Carcinogen
Titanium dioxide	13463-67-7	x

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Raw umber			X	X	X
Iron oxide	X	X	X		
Carbon black	X	X	X	X	
Titanium dioxide	X	X	X		
Solvent naphtha (petroleum),		X			

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
medium aliphatic					
Kerosene	X	X	X		

International Regulations

Mexico - Grade Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Iron oxide		Mexico: TWA 5 mg/m3 Mexico: STEL 10 mg/m3
Carbon black		Mexico: TWA 3.5 mg/m3 Mexico: STEL 7 mg/m3
Titanium dioxide		Mexico: TWA= 10 mg/m3 Mexico: STEL= 20 mg/m3

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
B3 Combustible liquid
D2A Very toxic materials

16. OTHER INFORMATION

Prepared By
Product Stewardship
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Latham, NY 12110
1-800-572-6501

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Revision Note No information available

General Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet