

SAFETY DATA SHEET

Issuing Date 01-Jul-2015

Revision Date 07-May-2018

Revision Number 3

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name ZAR® Oil Based Wood Stain

Contains Kerosene, Solvent naphtha (petroleum), medium aliphatic

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Stains, Interior

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Company

United Gilsonite Laboratories

1396 Jefferson Ave.

Dunmore

PA

18509

US

Phone: 570-344-1202

Fax: 570-969-7634

Contact Phone: 570-344-1202

For further information, please contact

E-mail Address sales@ugl.com

1.4. Emergency telephone number

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
+1-800-424-9300 (NORTH AMERICA)

Europe	112
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Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Aspiration Toxicity	Category 1
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Specific Target Organ Toxicity (Repeated Exposure)	Category 1
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Physical Hazards

Flammable liquids	Category 3
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2.2. Label Elements

**Signal Word****Danger****Hazard Statements**

H304 - May be fatal if swallowed and enters airways
 H372 - Causes damage to organs through prolonged or repeated exposure
 H226 - Flammable liquid and vapor
 EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements

P260 - Do not breathe dust/fume/gas/mist/vapors/spray
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician
 P331 - Do NOT induce vomiting
 P405 - Store locked up
 P501 - Dispose of contents/ container to an approved waste disposal plant
 P101 - If medical advice is needed, have product container or label at hand
 P102 - Keep out of reach of children

2.3. Other information

No information available

Section 3. Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical Name	EC-No	CAS-No	Weight %	EU - GHS Substance Classification	REACH No.
Solvent naphtha (petroleum), medium aliphatic	265-191-7	64742-88-7	30-60	STOT RE 1 (H372) Asp. Tox. 1 (H304)	No data available
Iron oxide	215-168-2	1309-37-1	5-10		No data available
Raw umber	235-784-5	12713-03-0	3-7		No data available
Kerosene	232-366-4	8008-20-6	3-7	Asp. Tox. 1 (H304)	No data available
Ferric oxide black	215-277-5	1317-61-9	1-5		No data available
Titanium dioxide	236-675-5	13463-67-7	1-5	*	No data available
Carbon black	215-609-9 435-640-3	1333-86-4	1-5		No data available

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of 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 removing all contaminated clothes and shoes.
Ingestion	Aspiration hazard if swallowed - can enter lungs and cause damage. Do NOT induce vomiting. If vomiting occurs, lean victim forward to reduce the risk of aspiration. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
Protection of First-aiders	Remove all sources of ignition.

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects Aspiration into lungs can produce severe lung damage.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

Section 5. Fire-fighting measures**5.1. Extinguishing media****Suitable Extinguishing Media**

Dry chemical, CO₂, water spray or regular foam.

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Flammable. Vapors may travel to source of ignition and flash back.

5.3. Advice for firefighters**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Refer to Section 8 for personal protective equipment. Avoid contact with skin, eyes and clothing. Do not touch or walk through spilled material. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and materials for containment and cleaning up

Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Avoid breathing vapors or mists. Keep away from heat, sparks and open flame. No smoking. Ensure all equipment is electrically grounded before beginning transfer operations. Use only in area provided with appropriate exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

Hygiene Measures

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

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	Austria	Belgium	Cyprus	Denmark
Iron oxide 1309-37-1		STEL: 10 mg/m ³ TWA: 5 mg/m ³ TWA: 10 mg/m ³	TWA: 5 mg/m ³		TWA: 3.5 mg/m ³
Raw umber 12713-03-0		STEL: 2 mg/m ³ TWA: 0.5 mg/m ³			TWA: 0.2 mg/m ³

Kerosene 8008-20-6			TWA: 200 mg/m ³ Skin		
Titanium dioxide 13463-67-7		STEL: 10 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³		TWA: 6 mg/m ³
Carbon black 1333-86-4			TWA: 3.5 mg/m ³		TWA: 3.5 mg/m ³
Chemical Name	Finland	France	Germany	Gibraltar	Greece
Iron oxide 1309-37-1	TWA: 5 mg/m ³	TWA: 5 mg/m ³ TWA: 10 mg/m ³	Carc*		TWA: 10 mg/m ³ STEL: 10 mg/m ³
Raw umber 12713-03-0	TWA: 0.2 mg/m ³ TWA: 0.02 mg/m ³		TWA: 0.2 mg/m ³ TWA: 0.02 mg/m ³ Ceiling / Peak: 1.6 mg/m ³ Ceiling / Peak: 0.16 mg/m ³		
Ferric oxide black 1317-61-9			Carc*		
Titanium dioxide 13463-67-7		TWA: 10 mg/m ³	Carc*		TWA: 10 mg/m ³ TWA: 5 mg/m ³
Carbon black 1333-86-4	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³	Carc*		TWA: 3.5 mg/m ³ STEL: 7 mg/m ³
Chemical Name	Ireland	Italy	Lithuania	Luxembourg	Malta
Iron oxide 1309-37-1	TWA: 5 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 10 mg/m ³ STEL: 12 mg/m ³	TWA: 5 mg/m ³ Carc*	TWA: 3.5 mg/m ³		
Raw umber 12713-03-0	TWA: 0.2 mg/m ³ STEL: 0.6 mg/m ³				
Kerosene 8008-20-6	Skin	TWA: 200 mg/m ³ Skin Carc*			
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³	TWA: 10 mg/m ³ Carc*	TWA: 5 mg/m ³		
Carbon black 1333-86-4	TWA: 3 mg/m ³ STEL: 15 mg/m ³	TWA: 3 mg/m ³ Carc*			
Chemical Name	The Netherlands	Norway	Poland	Portugal	Spain
Iron oxide 1309-37-1		TWA: 3 mg/m ³ STEL: 3 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 5 mg/m ³ Carc*	TWA: 5 mg/m ³
Raw umber 12713-03-0			TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³		TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³
Kerosene 8008-20-6			TWA: 100 mg/m ³ STEL: 300 mg/m ³	TWA: 200 ppm Skin Carc*	TWA: 200 mg/m ³ Skin
Titanium dioxide 13463-67-7		TWA: 5 mg/m ³ STEL: 5 mg/m ³	TWA: 10.0 mg/m ³ STEL: 30 mg/m ³	TWA: 10 mg/m ³ Carc*	TWA: 10 mg/m ³
Carbon black 1333-86-4		TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 4.0 mg/m ³	TWA: 3.5 mg/m ³ Carc*	TWA: 3.5 mg/m ³
Chemical Name	Switzerland	Sweden	The United Kingdom		
Iron oxide 1309-37-1	TWA: 3 mg/m ³	LLV: 3.5 mg/m ³	TWA: 5 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 10 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³		
Raw umber 12713-03-0	TWA: 0.5 mg/m ³				
Titanium dioxide 13463-67-7	TWA: 3 mg/m ³	LLV: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³		
Carbon black 1333-86-4		LLV: 3 mg/m ³	STEL: 7 mg/m ³ TWA: 3.5 mg/m ³		

Biological occupational exposure limits

Chemical Name	European Union	Austria	Bulgaria	Croatia	Czech Republic
Carbon black 1333-86-4		with high ratio of Polycyclic aromatic hydrocarbons			
Chemical Name	Slovakia	Spain	Switzerland	United Kingdom	
Raw umber 12713-03-0			20 µg/L whole blood end of shift, and after several shifts (for long-term exposures) Manganese Q		

Derived No Effect Level No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	Personal protection equipment should be chosen according to the CEN standards
Eye Protection	Tightly fitting safety goggles.
Skin and Body Protection	Wear protective gloves/clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.
Hand Protection	Protective gloves.
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental Exposure Controls Do not allow material to contaminate ground water system. Do not allow into any sewer, on the ground or into any body of water.

Section 9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Physical State	Liquid	Appearance	Brown, Dark brown
Odor	Aliphatic hydrocarbons		

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	40 °C / 104 °F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air	No data available	None known
Vapor Pressure	No data available.	None known
Vapor Density	No data available.	None known
Relative Density	No data available	None known
Water Solubility	Insoluble	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	25-35 seconds #4 Ford cup	ASTM 2938.17
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other information

VOC Content (%) No information available
 VOC (g/l) 438 (ISO 118990-2)

Section 10. Stability and reactivity

10.1. Reactivity

Not reactive under normal conditions

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None under normal use.

Section 11. Toxicological information

11.1. Information on toxicological effects**Acute Toxicity****Product Information****Inhalation****Eye Contact****Skin Contact****Ingestion**

May cause irritation of respiratory tract.
 Contact with eyes may cause irritation.
 Repeated exposure may cause skin dryness or cracking. May be harmful in contact with skin.
 May be harmful if swallowed. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

Acute Toxicity

59% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral 3,728.00 mg/kg
 LD50 Dermal 2,056.00 mg/kg

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Iron oxide	> 10000 mg/kg (Rat)		
Kerosene	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h
Carbon black	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	
Titanium dioxide	> 10000 mg/kg (Rat)		

Respiratory or Skin Sensitization

Not expected to be a sensitizer.

Mutagenic Effects

Based on available data, the classification criteria are not met.

Carcinogenic Effects

Based on available data, the classification criteria are not met.

Reproductive Toxicity

Based on available data, the classification criteria are not met.

Developmental Toxicity

Based on available data, the classification criteria are not met.

STOT - single exposure

Based on available data, the classification criteria are not met

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Target Organ Effects

Blood. Central nervous system (CNS). Eyes. Kidney. Lungs. Lymphatic system. Respiratory

Aspiration Hazard	system. Skin. Risk of serious damage to the lungs (by aspiration). May be fatal if swallowed and enters airways.
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Section 12. Ecological information

12.1. Toxicity

Ecotoxicity Effects

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

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

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products

Dispose of in accordance with all European and Local regulations. Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

14.1. UN-Number	UN1263
14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1263, Paint, 3, III, (40°C c.c.)
14.5. Marine Pollutant	None
14.6. Special Provisions	None
EmS No.	F-E, S-E
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	UN1263
14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1263, Paint, 3, III
14.5. Environmental hazard	None
14.6. Special Provisions	None
Classification Code	F1

ADR

14.1. UN-Number	UN1263
14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1263, Paint, 3, III, (D/E)
14.5. Environmental hazard	None
14.6. Special Provisions	None
Classification Code	F1

ICAO

14.1. UN-Number	UN1263
14.2. Proper shipping name	Paint
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1263, Paint, 3, III
14.5. Environmental hazard	None
14.6. Special Provisions	None

IATA

14.1. UN-Number	UN1263
14.2. Proper Shipping Name	Paint
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1263, Paint, 3, III
14.5. Environmental hazard	None
14.6. Special Provisions	None
ERG Code	3L

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**International Inventories**

TSCA	Complies
European Union	Contact supplier for inventory compliance status
DSL/NDSL	Complies

PICCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Complies
AICS	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information**Full text of H-Statements referred to under sections 2 and 3**

H372 - Causes damage to organs (a,b,c) through prolonged or repeated exposure if inhaled
H304 - May be fatal if swallowed and enters airways
EUH066 - Repeated exposure may cause skin dryness or cracking
H226 - Flammable liquid and vapor

Key literature references and sources for datawww.ChemADVISOR.com/

Issuing Date	01-Jul-2015
Revision Date	07-May-2018
Revision Note	(M)SDS sections updated: 2, 3, 8, 9, 11, 13.

This safety data sheet complies with the requirements of Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Safety Data Sheet