

# SAFETY DATA SHEET

1181366 - Zar Interior Oil Wood Stain - VOC Complaint

Revision Date 23-Sep-2014

Issuing Date No data available      Revision Date 23-Sep-2014      Revision Number 1



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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Identifier** 109 - 145  
**Product Name** Zar Interior Oil Wood Stain  
**Other means of identification**  
**Synonyms** None  
**Recommended use of the chemical and restrictions on use**  
**Recommended Use** Stains, Interior  
**Uses advised against** No information available  
**Details of the supplier of the safety data sheet**  
**Supplier Name** United Gilsonite Laboratories  
**Supplier Address** 1396 Jefferson Ave.  
 Dunmore  
 PA  
 18509  
 US  
**Supplier Phone Number** Phone: 570-344-1202  
 Fax: 570-969-7634  
 Contact Phone: 570-344-1202  
**Supplier Email** sales@ugl.com  
**Emergency telephone number** (800) 424-9300 Chem: zec

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Dermal	Category 5
Aspiration toxicity	Category 1
Flammable liquids	Category 3



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### Unknown Toxicity

95% of the mixture consists of ingredient(s) of unknown toxicity

### Other information

Causes mild skin irritation  
 PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

### Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	10 - 30	*
Titanium dioxide	13463-67-7	5 - 10	*
Iron oxide	1309-37-1	5 - 10	*
Raw umber	12713-03-0	3 - 7	*
Kerosene	8008-20-6	3 - 7	*
Carbon black	1333-86-4	1 - 5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

## 4. FIRST AID MEASURES

### First aid measures

#### General Advice

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

#### Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Seek immediate medical attention/advice. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Skin Contact

Wash skin with soap and water. If skin irritation persists, call a physician.

#### Inhalation

Remove to fresh air. If symptoms persist, call a physician. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Seek immediate medical attention/advice. Delayed pulmonary edema may occur.

#### Ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.



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GHS Label elements, including precautionary statements

Emergency Overview	
<b>Signal word</b>	<b>Warning</b>
<b>Hazard Statements</b>	
May be harmful in contact with skin	
May be fatal if swallowed and enters airways	
Flammable liquid and vapor	
<b>Appearance</b>	Brown to dark brown
<b>Physical State</b>	Liquid
<b>Odor</b>	Aliphatic hydrocarbons

### Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Wear protective gloves/protective clothing/eye protection/face protection  
 To avoid spontaneous combustion during temporary storage, soak soiled rags and waste immediately after use, in a water filled, closed metal container

### Precautionary Statements - Response

Call a POISON CENTER or doctor/physician if you feel unwell

### Skin

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do NOT induce vomiting

### Fire

In case of fire: Use CO2, dry chemical, or foam for extinction

### Precautionary Statements - Storage

Store locked up  
 Store in a well-ventilated place. Keep cool

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### Hazards not otherwise classified (HNOC)

Not applicable



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### Self-protection of the first aider

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

### Most important symptoms and effects, both acute and delayed

**Most Important Symptoms and Effects** Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

### Indication of any immediate medical attention and special treatment needed

### Notes to Physician

Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

## 5. FIRE-FIGHTING MEASURES

### 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.

### Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition. Risk of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

#### Uniform Fire Code

Combustible Liquid; II  
 Irritant; Liquid

### Hazardous Combustion Products

Carbon oxides.

### Explosion Data

**Sensitivity to Mechanical Impact** No.

### 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.



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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. See section 8 for more information. Keep people away from and upwind of spill/leak. 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. Do not touch or walk through spilled material.

**Other Information**

Refer to protective measures listed in Sections 7 and 8. Ventilate the area.

**Environmental Precautions****Environmental Precautions**

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

**Methods and material for containment and cleaning up****Methods for Containment**

Prevent further leakage or spillage if safe to do so. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways.

**Methods for cleaning up**

Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE****Precautions for safe handling****Handling**

Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes or clothing.

**Conditions for safe storage, including any incompatibilities****Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Keep out of the reach of children. Store away from other materials. Store locked up. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). 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.

**Incompatible Products**

None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

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

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) See section 15 for national exposure control parameters

**Appropriate engineering controls****Engineering Measures**

Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Tight sealing safety goggles.

**Skin and Body Protection**

Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impermeable gloves. Antistatic boots.

**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.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. No information available. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and Chemical Properties****Physical State**

Liquid

**Appearance**

Brown to dark brown

**Color**

No information available

**Odor**

Aliphatic hydrocarbons

**Odor Threshold**

No information available

**Property**

Values

**Remarks/ Method****pH**

UNKNOWN

None known

**Melting / freezing point**

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 Limit in Air**

Upper flammability limit  
Lower flammability limit

No data available  
No data available

None known

**Vapor pressure**

No data available

None known

**Vapor density**

No data available

None known

**Specific Gravity**

No data available

None known

**Water Solubility**

Slightly soluble

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

**Kinematic viscosity**

No data available

None known

**Dynamic viscosity**

No data available

None known

**Explosive properties**

No data available

**Oxidizing Properties**

No data available

**Other Information****Softening Point**

No data available

**VOC Content (%)**

No data available

**Particle Size**

No data available

**Particle Size Distribution**

No data available

**10. STABILITY AND REACTIVITY****Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

Carbon oxides.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

**Inhalation**

Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.

**Eye Contact**

Specific test data for the substance or mixture is not available. May cause irritation.

**Skin Contact**

Specific test data for the substance or mixture is not available. May be absorbed through the skin in harmful amounts. May be harmful in contact with skin, (based on components). Repeated exposure may cause skin dryness or cracking.

**Ingestion**

Specific test data for the substance or mixture is not available. 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.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	> 5000 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h
Titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )	-	-
Iron oxide 1309-37-1	> 10000 mg/kg ( Rat )	-	-



Kerosene 8008-20-6	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h
Carbon black 1333-86-4	> 15400 mg/kg ( Rat )	> 3 g/kg ( Rabbit )	-

**Information on toxicological effects**

**Symptoms** Difficulty in breathing, Coughing and/ or wheezing, Asthma-like and/ or skin allergy-like symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic Effects** No information available.

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

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium dioxide 13463-67-7		Group 2B		X
Iron oxide 1309-37-1		Group 3		
Kerosene 8008-20-6	A3	Group 3		
Carbon black 1333-86-4	A3	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 and Health Administration of the US Department of Labor)

X - Present

**Reproductive Toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** Aspiration may cause pulmonary edema and pneumonitis. Titanium dioxide has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product. Carbon black has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation. This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product.

**Target Organ Effects** Respiratory system, Eyes, Skin, Gastrointestinal tract (GI), Blood, Central Nervous System (CNS), Kidney, Lungs, Lymphatic System.

**Aspiration Hazard** No information available.

**Numerical measures of toxicity Product Information**

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

**ATEmix (dermal)**  
4950.00 mg/kg (ATE)

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	96h EC50 = 450 mg/L (Pseudokirchneriella subcapitata)	96h LC50 = 800 mg/L (Pimephales promelas)		48h EC50 > 100 mg/L
Carbon black 1333-86-4				24h EC50 > 5600 mg/L

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

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

**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.

**US EPA Waste Number** D001

**California Hazardous Waste Codes** 331

This product contains one or more substances that are listed with the State of California as a hazardous waste.

**14. TRANSPORT INFORMATION**

**DOT** NOT REGULATED (if shipped in NON BULK packaging by ground transport)  
**Proper Shipping Name** NON-REGULATED  
**Hazard Class** N/A  
**Emergency Response Guide Number** 128

**TDG**

**UN-No.** UN1263  
**Proper Shipping Name** PAINT  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1263, PAINT, 3, III

**MEX**  
**UN-No.** UN1263  
**Proper Shipping Name** PAINT  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1263 PAINT,3,III

**ICAO**  
**UN-No.** UN1263  
**Proper Shipping Name** PAINT  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1263,PAINT,3,PG III

**IATA**  
**UN-No.** UN1263  
**Proper Shipping Name** PAINT  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN1263,PAINT,3,PG III

**IMDG/IMO**  
**UN-No.** UN1263  
**Proper Shipping Name** PAINT  
**Hazard Class** 3  
**Packing Group** III  
**EmS No.** F-E, S-E  
**Description** UN1263, PAINT,3,PG III, FP 40C

**RID**  
**UN-No.** UN1263  
**Proper Shipping Name** PAINT  
**Hazard Class** 3  
**Packing Group** III  
**Classification code** F1  
**Description** UN1263 PAINT,3,III

**ADR**  
**UN-No.** UN1263  
**Proper Shipping Name** PAINT  
**Hazard Class** 3  
**Packing Group** III  
**Classification code** F1  
**Description** UN1263 PAINT,3,III

**ADN**  
**UN-No.** UN1263  
**Proper Shipping Name** PAINT  
**Hazard Class** 3



**Packing Group** III  
**Classification code** F1  
**Special Provisions** 163, 640H, 650  
**Description** UN1263 PAINT,3,III  
**Hazard Labels** 3  
**Limited Quantity** LQ7  
**Ventilation** VE01

**15. REGULATORY INFORMATION****International Inventories**

**TSCA** Complies  
**DSL** All components are listed either on the DSL or NDSL.

**TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**  
**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes  
**Chronic Health Hazard** Yes  
**Fire Hazard** Yes  
**Sudden release of pressure hazard** No  
**Reactive Hazard** No

**CWA (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)

**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

**US State Regulations**

**California Proposition 65**  
This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Titanium dioxide - 13463-67-7	Carcinogen
Carbon black - 1333-86-4	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	X				



Titanium dioxide 13463-67-7	X	X	X		
Iron oxide 1309-37-1	X	X	X		
Kerosene 8008-20-6	X	X	X		
Carbon black 1333-86-4	X	X	X		X

**International Regulations****Mexico****National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Titanium dioxide 13463-67-7 ( 5 - 10 )		Mexico: TWA= 10 mg/m <sup>3</sup> Mexico: STEL= 20 mg/m <sup>3</sup>
Iron oxide 1309-37-1 ( 5 - 10 )		Mexico: TWA 5 mg/m <sup>3</sup> Mexico: STEL 10 mg/m <sup>3</sup>
Carbon black 1333-86-4 ( 1 - 5 )		Mexico: TWA 3.5 mg/m <sup>3</sup> Mexico: STEL 7 mg/m <sup>3</sup>

Mexico - Occupational Exposure Limits - Carcinogens

**Canada****WHMIS Hazard Class**B3 - Combustible liquid  
D2A - Very toxic materials  
D2B - Toxic materials**16. OTHER INFORMATION**

NFPA	Health Hazards 2	Flammability 2	Instability 0	Physical and Chemical Hazards -
HMIS	Health Hazards 2*	Flammability 2	Physical Hazard 0	Personal Protection X

Chronic Hazard Star Legend \* = Chronic Health Hazard

Prepared By Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501  
23-Sep-2014

Revision Date  
Revision Note No information available

**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



Serious eye damage/eye irritation	Category 2
Reproductive Toxicity	Category 1B

**GHS Label elements, including precautionary statements****Emergency Overview**

<b>Signal word</b>	<b>Danger</b>
<b>Hazard Statements</b> Causes skin irritation Causes serious eye irritation May damage fertility or the unborn child	
<b>Appearance</b> Amber	<b>Physical state</b> Liquid
	<b>Odor</b> Amine

**Precautionary Statements - Prevention**  
Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Wear eye/face protection

**Precautionary Statements - Response**  
IF exposed or concerned: Get medical advice/attention  
Specific treatment (see supplemental first aid instructions on this label)

**Eyes**  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

**Skin**  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash before reuse

**Precautionary Statements - Storage**  
Store locked up

**Precautionary Statements - Disposal**  
Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**SAFETY DATA SHEET**

The supplier identified below generated this SDS using the UL SDS template. UL did not test, certify, or approve the substance described in this SDS, and all information in this SDS was provided by the supplier or was reproduced from publicly available regulatory data sources. UL makes no representations or warranties regarding the completeness or accuracy of the information in the SDS and disclaims all liability in connection with the use of this information or the substance described in this SDS. The layout, appearance and format of this SDS is © 2014 UL LLC. All rights reserved.

**1. IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY/ UNDERTAKING**

**Product identifier** 326, 327, 342

**Product Name** Zar Exterior Water Based Polyurethane - All Gloss Levels

**Other means of identification**

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Clear Wood Finish - Varnish

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier Name** United Gilsonite Laboratories

**Supplier Address** 1396 Jefferson Ave.  
Dunmore  
PA  
18509  
US

**Supplier Phone Number** Phone: 570-344-1202  
Fax: 570-969-7634  
Contact Phone 570-344-1202

**Supplier Email** sales@ugl.com

**Emergency telephone number** (800) 424-9300 Chemtec

**2. HAZARDS IDENTIFICATION****Classification**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
---------------------------	------------



**Unknown Toxicity**  
11.004442% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

No information available

**Interactions with Other Chemicals**

No information available.

**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%	Trade Secret
1-Methyl-2-pyrrolidone	872-50-4	3 - 7	
Triethylamine	121-44-8	1 - 5	

\*The exact percentage (concentration) of composition has been withheld as a trade secret

**4. FIRST AID MEASURES****First aid measures**

**General Advice** Show this safety data sheet to the doctor in attendance.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

**Skin contact** Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

**Inhalation** Remove to fresh air. Get medical attention immediately if symptoms occur.

**Ingestion** Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

**Self-protection of the first aider** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** Burning sensation.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.



**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

Uniform Fire Code Irritant: Liquid

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

**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.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions**

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up**

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

**Methods for cleaning up** Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

**Incompatible Products** Strong acids. Strong oxidizing agents. Strong bases.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Triethylamine 121-44-8	STEL: 3 ppm TWA: 1 ppm S	TWA: 25 ppm TWA: 100 mg/m <sup>3</sup> (vacated) TWA: 10 ppm (vacated) TWA: 40 mg/m <sup>3</sup> (vacated) STEL: 15 ppm (vacated) STEL: 60 mg/m <sup>3</sup>	IDLH: 200 ppm

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits 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) See section 15 for national exposure control parameters

**Appropriate engineering controls**

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** If splashes are likely to occur. Wear safety glasses with side shields (or goggles). None required for consumer use.

**Skin and body protection** Wear protective gloves and protective clothing. Long sleeved clothing. Impervious 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.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling



the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Physical and Chemical Properties**

<b>Physical state</b>	Liquid		
<b>Appearance</b>	Amber	<b>Odor</b>	Amine
<b>Color</b>	No information available	<b>Odor Threshold</b>	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks</b>	<b>Method</b>
<b>pH</b>	8.5	None known	
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	100 °C / 212 °F	None known	
<b>Flash Point</b>	No data available	None known	
<b>Evaporation Rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	No data available		
<b>Lower flammability limit</b>	No data available		
<b>Vapor pressure</b>	No data available	None known	
<b>Vapor density</b>	No data available	None known	
<b>Specific Gravity</b>	No data available	None known	
<b>Water Solubility</b>	Soluble in water	None known	
<b>Solubility in other solvents</b>	No data available	None known	
<b>Partition coefficient: n-octanol/water</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition temperature</b>	No data available	None known	
<b>Kinematic viscosity</b>	No data available	None known	
<b>Dynamic viscosity</b>	No data available	None known	
<b>Explosive properties</b>	No data available		
<b>Oxidizing properties</b>	No data available		

**Other Information**

**Softening Point** No data available  
**VOC Content (%)** No data available  
**Particle Size** No data available  
**Particle Size Distribution**

**10. STABILITY AND REACTIVITY****Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

None known based on information supplied.

**Incompatible materials**

Strong acids. Strong oxidizing agents. Strong bases.

**Hazardous Decomposition Products**

Carbon oxides.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to eyes. May cause redness, itching, and pain. May cause temporary eye irritation.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to skin. Prolonged contact may cause redness and irritation.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1-Methyl-2-pyrrolidone 872-50-4	= 3598 mg/kg (Rat)	= 8 g/kg (Rabbit)	= 3.1 mg/L (Rat) 4 h
Triethylamine 121-44-8	= 460 mg/kg (Rat)	= 416 mg/kg (Rabbit)	= 3496 ppm (Rat) 1 h = 0.42 mg/L (Rat) 1 h

**Information on toxicological effects**

**Symptoms** Erythema (skin redness). May cause redness and tearing of the eyes.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.
<b>Reproductive toxicity</b>	Contains a known or suspected reproductive toxin.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No known effect based on information supplied. Contains a known or suspected reproductive toxin. Possible risk of irreversible effects. May cause adverse liver effects. Carcinogenic potential is unknown.
<b>Target Organ Effects</b>	Respiratory system, Eyes, Skin, Reproductive System, Central Vascular System (CVS), Kidney, Liver, Bone marrow, Endocrine system, Spleen.
<b>Aspiration Hazard</b>	No information available.

**Numerical measures of toxicity Product Information**

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

- ATEmix (oral) 12,789.00 mg/kg
- ATEmix (dermal) 13,658.00 mg/kg (ATE)
- ATEmix (inhalation-dust/mist) 12.97 mg/l
- ATEmix (inhalation-vapor) 424.00 ATEmix



<b>DOT</b>	NOT REGULATED NON REGULATED Hazard Class N/A
<b>TDG</b>	Not regulated
<b>MEX</b>	Not regulated
<b>ICAO</b>	Not regulated
<b>IATA</b>	Not regulated NON REGULATED Hazard Class N/A
<b>IMDG/IMO</b>	Not regulated Hazard Class N/A
<b>RID</b>	Not regulated
<b>ADR</b>	Not regulated
<b>ADN</b>	Not regulated

**15. REGULATORY INFORMATION**

**TSCA**  
DSL Complies  
All components are listed either on the DSL or NDSL.

**TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**  
**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**

**US Federal Regulations**

**SARA 313**  
Section 313 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-%
1-Methyl-2-pyrrolidone - 872-50-4	872-50-4	3 - 7	1.0
Triethylamine - 121-44-8	121-44-8	1 - 5	1.0

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous



**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
1-Methyl-2-pyrrolidone 872-50-4	72h EC50: > 500 mg/L (Desmodesmus subspicatus)	96h LC50 = 832 mg/L (Lepomis macrochirus) 96h LC50 = 1072 mg/L (Pimephales promelas) 96h LC50 = 1400 mg/L (Poecilia reticulata) 96h LC50 = 4000 mg/L (Leuciscus idus)		48h EC50 = 4897 mg/L
Triethylamine 121-44-8		96h LC50 = 43.7 mg/L (Pimephales promelas)	EC50 = 127 mg/L 2 h EC50 = 95 mg/L 17 h	48h EC50 = 200 mg/L

**Persistence and Degradability**

No information available.

**Bioaccumulation**

Chemical Name	Log Pow
1-Methyl-2-pyrrolidone 872-50-4	-0.46
Triethylamine 121-44-8	1.45

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging**

Dispose of contents/containers in accordance with local regulations.

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Triethylamine 121-44-8	U404	Included in waste streams: K156, K157		U404

California Hazardous Waste Codes 331

**14. TRANSPORT INFORMATION**



Chemical Name	Quantities	Substances
Triethylamine 121-44-8	5000 lb	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Triethylamine 121-44-8	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
1-Methyl-2-pyrrolidone - 872-50-4	Developmental

**US State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
1-Methyl-2-pyrrolidone 872-50-4	X	X	X	X	
Triethylamine 121-44-8	X	X	X	X	X

**International Regulations**

**Mexico**

**National occupational exposure limits**

Component	Carcinogen Status	Exposure Limits
Triethylamine 121-44-8 (1 - 5)		Mexico: TWA 25 ppm Mexico: TWA 100 mg/m <sup>3</sup> Mexico: STEL 40 ppm Mexico: STEL 160 mg/m <sup>3</sup>

Mexico - Occupational Exposure Limits - Carcinogens

**Canada**

**WHMIS Hazard Class**

D2B - Toxic materials



**16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b> 2	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and Chemical Hazards</b>
<b>HMIS</b>	<b>Health Hazards</b> 2*	<b>Flammability</b> 0	<b>Physical Hazard</b> 0	<b>Personal Protection</b>

**Chronic Hazard Star Legend** \* = Chronic Health Hazard

**Prepared By** Product Stewardship



23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501  
04-May-2015  
04-May-2015  
No information available

**Issuing Date**

**Revision Date**

**Revision Note**

**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**



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**Ingestion**

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

**Inhalation**

Breathing of vapor or mist is possible. It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

**Aggravated Medical Condition**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: Skin, respiratory tract, Heart

**Symptoms**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), irregular heartbeat

**Target Organs**

Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans.

**Carcinogenicity**

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

**Reproductive hazard**

Based on the available information, risk to the fetus from maternal exposure to this material cannot be assessed.

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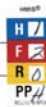
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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Nexeo Solutions  
PO Box 2458  
Columbus, OH 43216

Regulatory Information Number 1-855-429-2661  
Telephone 1-855-429-2661  
Emergency telephone number 1-855-639-3648

Product name MINERAL SPIRITS 66 1% AROM

Product code 86315 -  
Product Use Description Solvent., in industrial applications

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

Appearance: liquid, Light

CAUTION! COMBUSTIBLE LIQUID AND VAPOR. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE IRRITATION AND BURNS.

**Potential Health Effects**

**Exposure routes**

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

**Eye contact**

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

**Skin contact**

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Components	CAS-No. / trade secret no.	Concentration
Solvent naphtha (petroleum), medium aliph.	64742-88-7	90 - 100%

**4. FIRST AID MEASURES**

**Eyes**

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

**Skin**

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

**Ingestion**

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

**Inhalation**

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

**Notes to physician**

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**Hazards:** Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

**Treatment:** No information available.

**5. FIREFIGHTING MEASURES**

**Suitable extinguishing media**

Dry chemical, Carbon dioxide (CO<sub>2</sub>), Water spray

**Hazardous combustion products**

Aldehydes, carbon dioxide and carbon monoxide, Hydrocarbons

**Precautions for fire-fighting**

If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

**NFPA Flammable and Combustible Liquids Classification**

Combustible Liquid Class II

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Ensure adequate ventilation. Eliminate all

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Store in a cool, dry, ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Solvent naphtha (petroleum), medium aliph.		64742-88-7
OSHA	8-hour time weighted average	500 ppm
OSHA	8-hour time weighted average	2,000 mg/m <sup>3</sup>
ACGIH	8-hour, time-weighted average	200 mg/m <sup>3</sup>
OSHA	8-hour time weighted average	400 ppm
OSHA	8-hour time weighted average	1,600 mg/m <sup>3</sup>

**General advice**

**Exposure controls**

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

**Eye protection**

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

**Skin and body protection**

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use. Wear resistant gloves (consult your safety equipment supplier).

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Visit [www.ugl.com](http://www.ugl.com) or call 1-800-UGL-LABS for copies of ZAR Safety Data Sheets.

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ignition sources (flares, flames including pilot lights, electrical sparks). Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.

**Environmental precautions**

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

**Methods for cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**Other information**

Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water spray jet.

**7. HANDLING AND STORAGE**

**Handling**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77. Warning: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

**Storage**

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**Respiratory protection**

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	liquid
Form	liquid
Colour	Light
Odour	hydrocarbon-like
Boiling point/boiling range	300 - 415 °F / 149 - 213 °C
Flash point	104 - 115 °F / 40 - 46 °C
Lower explosion limit/Upper explosion limit	0.6 % (V) / 6.0 % (V)
Vapour pressure	300.000 Pa @ 68 °F / 20 °C
Relative vapor density	4.8
Water solubility	insoluble
Auto-ignition temperature	446 - 518 °F / 230 - 270 °C

**10. STABILITY AND REACTIVITY**

**Stability**

Stable.

**Conditions to avoid**

Heat, flames and sparks. Heat, flames and sparks.

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**Incompatible products**  
Strong oxidizing agents

**Hazardous decomposition products**  
Aldehydes, carbon dioxide and carbon monoxide, Hydrocarbons

**Hazardous reactions**  
Product will not undergo hazardous polymerization.

11. TOXICOLOGICAL INFORMATION

**Acute oral toxicity**

Acute oral toxicity - Product : no data available

**Acute inhalation toxicity**

Acute inhalation toxicity - Product : no data available

**Acute inhalation toxicity - Components**

Solvent naphtha (petroleum), medium aliph. : LC50: > 5.28 mg/l Exposure time: 4 h Species: rat

**Acute dermal toxicity**

Acute dermal toxicity - Product : no data available

**Acute toxicity (other routes of administration)**

Acute toxicity (other) : no data available

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Solvent naphtha (petroleum), medium aliph. : EL50: 1.4 mg/l  
Exposure time: 48 h  
Species: Daphnia magna (Water flea)  
Test substance: Kerosine (petroleum), hydrodesulfurised  
Method: Static  
Test Type: Immobilization

**Toxicity to algae**

Toxicity to algae - Product : no data available

**Toxicity to algae - Components**

Solvent naphtha (petroleum), medium aliph. : EL50: 1 - 3 mg/l  
Exposure time: 72 h  
Species: Pseudokirchneriella subcapitata (green algae)  
Method: Static

**Toxicity to bacteria**

Toxicity to bacteria - Product : no data available

13. DISPOSAL CONSIDERATIONS

**Waste disposal methods**

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group at 800-637-7922.

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Visit www.ugl.com or call 1-800-UGL-LABS for copies of ZAR Safety Data Sheets.

SAFETY DATA SHEET

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routes of administration)

12. ECOLOGICAL INFORMATION

**Biodegradability**

Biodegradability - Product : no data available

**Biodegradability - Components**

Solvent naphtha (petroleum), medium aliph. : 61 % Testing period: 10 d Test substance: Solvent naphtha (petroleum), heavy aromatic

**Bioaccumulation**

Bioaccumulation - Product : no data available

**Ecotoxicity effects**

**Toxicity to fish**

Toxicity to fish - Product : no data available

**Toxicity to fish - Components**

Solvent naphtha (petroleum), medium aliph. : LL50: 2 - 5 mg/l  
Exposure time: 96 h  
Species: Oncorhynchus mykiss (rainbow trout)  
Test substance: Naphtha  
Method: Static

**Toxicity to daphnia and other aquatic invertebrates**

Toxicity to daphnia and other aquatic invertebrates - Product : no data available

Toxicity to daphnia and other aquatic invertebrates - Components

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14. TRANSPORT INFORMATION

**REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT /LTD. QTY.
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**U.S. DOT - ROAD**

UN 1268	DESTILADOS DE PETROLEO, N.E.P.	3		III	
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**U.S. DOT - RAIL**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3		III	
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**U.S. DOT - INLAND WATERWAYS**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3		III	
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**TRANSPORT CANADA - ROAD**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3		III	
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**TRANSPORT CANADA - RAIL**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3		III	
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**TRANSPORT CANADA - INLAND WATERWAYS**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3		III	
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**INTERNATIONAL MARITIME DANGEROUS GOODS**

UN 1268	PETROLEUM DISTILLATES, N.O.S.	3		III	
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

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UN	1268	PETROLEUM DISTILLATES, N.O.S.	CBL	III
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**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

UN	1268	PETROLEUM DISTILLATES, N.O.S.	CBL	III
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**MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES**

UN	1268	PETROLEUM DISTILLATES, N.O.S.	CBL	III
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\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

**15. REGULATORY INFORMATION**

**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SARA Hazard Classification**

**SARA 311/312 Classification**

Fire Hazard

**New Jersey RTK Label Information**

Solvent naphtha (petroleum), medium aliph. 64742-88-7

**Pennsylvania RTK Label Information**

Solvent naphtha (petroleum), medium aliph. 64742-88-7

**Notification status**

United States TSCA Inventory y (positive listing)

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Canadian Domestic Substances List (DSL)	y (positive listing)
Australia Inventory of Chemical Substances (AICS)	y (positive listing)
New Zealand Inventory of Chemical Substances	n (Negative listing)
Korea, Korean Existing Chemicals Inventory (KECI)	y (positive listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)
China, Inventory of Existing Chemical Substances in China (IECSC)	y (positive listing)

	HMIS	NFPA
Health	1	1
Flammability	2	2
Physical hazards	0	2
Instability		0
Specific Hazard	--	--

**16. OTHER INFORMATION**

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by NEXEO™ Solutions EHS Product Safety Department (1-855-429-2661) MSDS@nexeosolutions.com.