

# SAFETY DATA SHEET

Issuing Date 01-Jul-2015

Revision Date 07-May-2018

Revision Number 2

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

### 1.1. Product identifier

**Product Name** Zar® Ultra Polyurethane

Contains Stoddard solvent, Kerosene

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

**Recommended Use** Clear Wood Finish - Varnish

**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

**Precautionary Statements**

P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician  
 P331 - Do NOT induce vomiting  
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 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.
Stoddard solvent	232-489-3	8052-41-3	60-100	STOT RE 1 (H372) Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	No data available
Silica, amorphous, fumed, crystal-free	-	112945-52-5	1-5		No data available
Kerosene	232-366-4	8008-20-6	1-5	Asp. Tox. 1 (H304)	No data available
Octanoic acid, cobalt salt	229-744-6	6700-85-2	0.1-1		No data available
Methyl ethyl ketoxime	202-496-6	96-29-7	< 0.1	Acute Tox. 4 (H312) Carc. 2 (H351) Eye Dam. 1 (H318) Skin Sens. 1 (H317)	No data available
Dibutyltin dilaurate	201-039-8	77-58-7	< 0.1	Repr. 1B (H360FD) STOT RE 1 (H372) Muta. 2 (H341)	No data available
Propylene glycol monomethyl ether	203-539-1	107-98-2	< 0.1	Flam. Liq. 3 (H226) STOT SE 3 (H336)	No data available

Diethylene glycol monomethyl ether	203-906-6	111-77-3	< 0.1	Repr. 2 (H361d)	No data available
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**For the full text of the H-Statements mentioned in this Section, see Section 16**

#### Note

Note P applies: The classification as a carcinogen and mutagen need not apply if it can be shown that the substance contains less than 0.1% w/w benzene (EINECS No. 200-753-7). This is the case for this material.

## Section 4. First aid measures

### 4.1. Description of first-aid measures

<b>General Advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	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.
<b>Skin Contact</b>	Wash off immediately with plenty of water removing all contaminated clothes and shoes.
<b>Ingestion</b>	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.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.
<b>Protection of First-aiders</b>	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, CO<sub>2</sub>, 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. Do not eat, drink or smoke when using this product. 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
Stoddard solvent 8052-41-3			TWA: 100 ppm TWA: 533 mg/m <sup>3</sup>		TWA: 25 ppm TWA: 145 mg/m <sup>3</sup>
Silica, amorphous, fumed, crystal-free 112945-52-5		TWA: 4 mg/m <sup>3</sup>			

Kerosene 8008-20-6			TWA: 200 mg/m <sup>3</sup> Skin		
Octanoic acid, cobalt salt 6700-85-2		Skin			
Methyl ethyl ketoxime 96-29-7		SkSen* Carc*			
Dibutyltin dilaurate 77-58-7		STEL: 0.2 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> Skin			TWA: 0.1 mg/m <sup>3</sup> Skin
Propylene glycol monomethyl ether 107-98-2	S* TWA 100 ppm TWA 375 mg/m <sup>3</sup> STEL 150 ppm STEL 568 mg/m <sup>3</sup>	STEL: 50 ppm STEL: 187 mg/m <sup>3</sup> TWA: 50 ppm TWA: 187 mg/m <sup>3</sup> Ceiling: 50 ppm Ceiling: 187 mg/m <sup>3</sup> Skin	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 568 mg/m <sup>3</sup> Skin	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 568 mg/m <sup>3</sup> Skin	TWA: 50 ppm TWA: 185 mg/m <sup>3</sup> Skin
Diethylene glycol monomethyl ether 111-77-3	TWA 10 ppm TWA 50.1 mg/m <sup>3</sup> S*	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> Skin
<b>Chemical Name</b>	<b>Finland</b>	<b>France</b>	<b>Germany</b>	<b>Gibraltar</b>	<b>Greece</b>
Stoddard solvent 8052-41-3					TWA: 100 ppm TWA: 575 mg/m <sup>3</sup> STEL: 125 ppm STEL: 720 mg/m <sup>3</sup>
Silica, amorphous, fumed, crystal-free 112945-52-5	TWA: 5 mg/m <sup>3</sup>		TWA: 4 mg/m <sup>3</sup> Repr*		
Octanoic acid, cobalt salt 6700-85-2			Skin		
Methyl ethyl ketoxime 96-29-7			TWA: 0.3 ppm TWA: 1 mg/m <sup>3</sup> Carc* Skin Sen*		
Dibutyltin dilaurate 77-58-7	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.3 mg/m <sup>3</sup> Skin	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.2 mg/m <sup>3</sup>	TWA: 0.004 ppm TWA: 0.02 mg/m <sup>3</sup> Ceiling / Peak: 0.004 ppm Ceiling / Peak: 0.02 mg/m <sup>3</sup> TWA: 0.0018 ppm TWA: 0.009 mg/m <sup>3</sup> Skin		
Propylene glycol monomethyl ether 107-98-2	TWA: 100 ppm TWA: 370 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup> Skin	TWA: 50 ppm TWA: 188 mg/m <sup>3</sup> STEL: 100 ppm STEL: 375 mg/m <sup>3</sup> Skin	TWA: 100 ppm TWA: 370 mg/m <sup>3</sup> Ceiling / Peak: 200 ppm Ceiling / Peak: 740 mg/m <sup>3</sup>  Repr*	STEL: 150 ppm STEL: 568 mg/m <sup>3</sup> TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> Skin	TWA: 100 ppm TWA: 360 mg/m <sup>3</sup> STEL: 300 ppm STEL: 1080 mg/m <sup>3</sup> Skin
Diethylene glycol monomethyl ether 111-77-3	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> Skin Repr*	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> Skin
<b>Chemical Name</b>	<b>Ireland</b>	<b>Italy</b>	<b>Lithuania</b>	<b>Luxembourg</b>	<b>Malta</b>
Stoddard solvent 8052-41-3	TWA: 100 ppm TWA: 573 mg/m <sup>3</sup> Muta* Carc*	TWA: 100 ppm TWA: 573 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 300 mg/m <sup>3</sup> STEL: 100 ppm STEL: 600 mg/m <sup>3</sup>		
Silica, amorphous, fumed, crystal-free 112945-52-5	TWA: 6 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup> STEL: 18 mg/m <sup>3</sup> STEL: 7.2 mg/m <sup>3</sup>				
Kerosene 8008-20-6	Skin	TWA: 200 mg/m <sup>3</sup> Skin Carc*			
Octanoic acid, cobalt salt	TWA: 0.1 mg/m <sup>3</sup>				

6700-85-2	STEL: 0.3 mg/m <sup>3</sup>				
Methyl ethyl ketoxime 96-29-7	TWA: 3 ppm TWA: 10 mg/m <sup>3</sup> STEL: 10 ppm STEL: 33 mg/m <sup>3</sup> Sen*				
Dibutyltin dilaurate 77-58-7	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.2 mg/m <sup>3</sup>				
Propylene glycol monomethyl ether 107-98-2	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 568 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 568 mg/m <sup>3</sup> Skin TWA: 50 ppm TWA: 184 mg/m <sup>3</sup> STEL: 100 ppm STEL: 368 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 190 mg/m <sup>3</sup> STEL: 75 ppm STEL: 300 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 568 mg/m <sup>3</sup> Skin	
Diethylene glycol monomethyl ether 111-77-3	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> STEL: 30 ppm STEL: 150.3 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> Skin Repr*	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> Skin	
<b>Chemical Name</b>	<b>The Netherlands</b>	<b>Norway</b>	<b>Poland</b>	<b>Portugal</b>	<b>Spain</b>
Stoddard solvent 8052-41-3			TWA: 300 mg/m <sup>3</sup> STEL: 900 mg/m <sup>3</sup>	TWA: 100 ppm	
Silica, amorphous, fumed, crystal-free 112945-52-5		TWA: 1.5 mg/m <sup>3</sup> STEL: 1.5 mg/m <sup>3</sup>			
Kerosene 8008-20-6			TWA: 100 mg/m <sup>3</sup> STEL: 300 mg/m <sup>3</sup>	TWA: 200 ppm Skin Carc*	TWA: 200 mg/m <sup>3</sup> Skin
Dibutyltin dilaurate 77-58-7		TWA: 0.1 mg/m <sup>3</sup> STEL: 0.1 mg/m <sup>3</sup> Skin		TWA: 0.1 mg/m <sup>3</sup> STEL: 0.2 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup> STEL: 0.2 mg/m <sup>3</sup> Skin
Propylene glycol monomethyl ether 107-98-2	TWA: 375 mg/m <sup>3</sup> STEL: 563 mg/m <sup>3</sup> Skin	TWA: 50 ppm TWA: 180 mg/m <sup>3</sup> STEL: 50 ppm STEL: 180 mg/m <sup>3</sup> Skin	TWA: 180 mg/m <sup>3</sup> STEL: 360 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 568 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 568 mg/m <sup>3</sup> Skin
Diethylene glycol monomethyl ether 111-77-3	TWA: 45 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 50 mg/m <sup>3</sup> STEL: 10 ppm STEL: 50 mg/m <sup>3</sup> Skin Repr*	TWA: 50 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> Skin	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> Skin
<b>Chemical Name</b>	<b>Switzerland</b>		<b>Sweden</b>	<b>The United Kingdom</b>	
Stoddard solvent 8052-41-3			TLV: 300 mg/m <sup>3</sup> TLV: 50 ppm TLV: 175 mg/m <sup>3</sup> TLV: 30 ppm Indicative STEL: 100 ppm Indicative STEL: 600 mg/m <sup>3</sup> Indicative STEL: 60 ppm Indicative STEL: 350 mg/m <sup>3</sup> Skin		
Silica, amorphous, fumed, crystal-free 112945-52-5	TWA: 4 mg/m <sup>3</sup>			TWA: 6 mg/m <sup>3</sup> TWA: 2.4 mg/m <sup>3</sup>	
Octanoic acid, cobalt salt 6700-85-2	TWA: 0.05 mg/m <sup>3</sup> Skin			TWA: 0.1 mg/m <sup>3</sup>	
Dibutyltin dilaurate 77-58-7	STEL: 0.2 mg/m <sup>3</sup> STEL: 0.004 ppm STEL: 0.02 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> TWA: 0.004 ppm TWA: 0.02 mg/m <sup>3</sup> Skin			TWA: 0.1 mg/m <sup>3</sup> Skin	
Propylene glycol monomethyl ether 107-98-2	STEL: 200 ppm STEL: 720 mg/m <sup>3</sup> TWA: 100 ppm		LLV: 50 ppm LLV: 190 mg/m <sup>3</sup> Binding STLV: 150 ppm	TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm	

	TWA: 360 mg/m <sup>3</sup>	Binding STLV: 568 mg/m <sup>3</sup> Skin	STEL: 560 mg/m <sup>3</sup> Skin
Diethylene glycol monomethyl ether 111-77-3		LLV: 10 ppm LLV: 50 mg/m <sup>3</sup> Skin Repr*	TWA: 10 ppm TWA: 50.1 mg/m <sup>3</sup> STEL: 30 ppm STEL: 150.3 mg/m <sup>3</sup> Skin

**Biological occupational exposure limits**

Chemical Name	Denmark	Finland	France	Germany	Gibraltar
Propylene glycol monomethyl ether 107-98-2				15 mg/L urine end of shift 1-Methoxypropan-2-ol	
Chemical Name	Slovakia	Spain	Switzerland	United Kingdom	
Propylene glycol monomethyl ether 107-98-2			20 mg/L urine end of shift 1-Methoxypropanol-2		

**Derived No Effect Level** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

<b>Engineering Measures</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal protective equipment</b>	Personal protection equipment should be chosen according to the CEN standards
<b>Eye Protection</b>	Tightly fitting safety goggles.
<b>Skin and Body Protection</b>	Wear protective gloves/clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.
<b>Hand Protection</b>	Protective gloves.
<b>Respiratory Protection</b>	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**

<b>Physical State</b>	Liquid	<b>Appearance</b>	Brown, Dark brown
<b>Odor</b>	Aliphatic hydrocarbons		

Property	Values	Remarks/ - Method
<b>pH</b>	No data available	None known
<b>Melting Point/Range</b>	No data available	None known
<b>Boiling Point/Boiling Range</b>	No data available	None known
<b>Flash Point</b>	40 °C / 104 °F	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>	No data available	None known
<b>Vapor Pressure</b>	No data available.	None known
<b>Vapor Density</b>	No data available.	None known
<b>Relative Density</b>	No data available	None known
<b>Water Solubility</b>	Slightly soluble	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>Viscosity</b>	D-F bubble discometer	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)** 486 (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**

May cause irritation of respiratory tract.

**Eye Contact**

Contact with eyes may cause irritation.

**Skin Contact**

Repeated exposure may cause skin dryness or cracking.

**Ingestion**

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	LD50 Oral	LD50 Dermal	LC50 Inhalation
Silica, amorphous, fumed, crystal-free	= 3160 mg/kg ( Rat )		
Kerosene	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h

**Respiratory or Skin Sensitization  
Mutagenic Effects**

Not expected to be a sensitizer.

NOTE: As per Nota P, the mutagen classification does NOT apply to this preparation because the producer declares that the "Stoddard solvent" contains less than 0.1% w/w benzene.

**Carcinogenic Effects**

NOTE: As per Nota P, the carcinogen classification does NOT apply to this preparation because the producer declares that the "Stoddard solvent" contains less than 0.1% w/w benzene.

**Reproductive Toxicity  
Developmental Toxicity  
STOT - single exposure  
STOT - repeated exposure  
Target Organ Effects**

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

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

Based on available data, the classification criteria are not met

Causes damage to organs through prolonged or repeated exposure.

Blood. Central nervous system (CNS). Eyes. Kidney. Respiratory system. Skin.



**Aspiration Hazard** Risk of serious damage to the lungs (by aspiration). May be fatal if swallowed and enters airways.

## 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)
Silica, amorphous, fumed, crystal-free	EC50 72 h: = 440 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 5000 mg/L static (Brachydanio rerio)		EC50 48 h: = 7600 mg/L (Ceriodaphnia dubia)
Methyl ethyl ketoxime	EC50 72 h: = 83 mg/L (Desmodesmus subspicatus)	LC50 96 h: 320 - 1000 mg/L static (Leuciscus idus) LC50 96 h: 777 - 914 mg/L flow-through (Pimephales promelas) LC50 96 h: = 760 mg/L static (Poecilia reticulata)	EC50 = 281 mg/L 17 h EC50 = 950 mg/L 5 min	EC50 48 h: = 750 mg/L (Daphnia magna)
Dibutyltin dilaurate		LC50 48 h: = 2 mg/L (Oryzias latipes)	EC50 = 0.576 mg/L 30 min	
Propylene glycol monomethyl ether		LC50 96 h: 4600 - 10000 mg/L static (Leuciscus idus) LC50 96 h: = 20.8 g/L static (Pimephales promelas)		EC50 48 h: = 23300 mg/L (Daphnia magna)
Diethylene glycol monomethyl ether	EC50 72 h: > 500 mg/L (Desmodesmus subspicatus)	LC50 96 h: = 5741 mg/L (Pimephales promelas) LC50 96 h: = 7500 mg/L (Lepomis macrochirus) LC50 96 h: = 7500 mg/L static (Lepomis macrochirus)	EC50 > 10000 mg/L 17 h	EC50 48 h: > 500 mg/L (Daphnia magna)

### 12.2. Persistence and degradability

No information available

### 12.3. Bioaccumulative potential

Chemical Name	Log Pow
Methyl ethyl ketoxime	0.65
Propylene glycol monomethyl ether	-0.437
Diethylene glycol monomethyl ether	-0.682

### 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

<b>Waste from Residues / Unused Products</b>	Dispose of in accordance with all European and Local regulations. Dispose of in accordance with the European Directives on waste and hazardous waste.
<b>Contaminated Packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Other Information</b>	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

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

### RID

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

### ADR

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

### ICAO

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

### IATA

<b>14.1. UN-Number</b>	UN1263
<b>14.2. Proper Shipping Name</b>	Paint

<b>14.3. Hazard Class</b>	3
<b>14.4. Packing Group</b>	III
<b>Description</b>	UN1263, Paint, 3, III
<b>14.5. Environmental hazard</b>	None
<b>14.6. Special Provisions</b>	None
<b>ERG Code</b>	3L

## Section 15. Regulatory information

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

#### Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII). This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV).

Chemical Name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Stoddard solvent - 8052-41-3	Use restricted. See item 28. Use restricted. See item 29.	
Dibutyltin dilaurate - 77-58-7	Use restricted. See item 20.	
Diethylene glycol monomethyl ether - 111-77-3	Use restricted. See item 54.	

#### International Inventories

<b>TSCA</b>	Contact supplier for inventory compliance status
<b>European Union</b>	Contact supplier for inventory compliance status
<b>DSL/NDSL</b>	Complies
<b>PICCS</b>	Contact supplier for inventory compliance status
<b>ENCS</b>	Contact supplier for inventory compliance status
<b>IECSC</b>	-
<b>AICS</b>	Contact supplier for inventory compliance status
<b>KECL</b>	Complies

#### 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

H304 - May be fatal if swallowed and enters airways  
H372 - Causes damage to organs through prolonged or repeated exposure  
H226 - Flammable liquid and vapor  
H340 - May cause genetic defects  
H350 - May cause cancer

#### Key literature references and sources for data

[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

**Issuing Date** 01-Jul-2015

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Revision Date 07-May-2018

Revision Note (M)SDS sections updated: 2, 3, 8, 9, 11, 12, 13, 15.

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