SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date 07-May-2018 Revision Date 07-May-2018 Revision Number 1

EGHS / English



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Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name ZAR® ULTRA Max Polyurethane All Gloss Levels

Chemical name

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

Recommended Use Clear Wood Finish - Varnish.

Uses advised againstNo information available.

1.3. 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

For further information, please contact.

1.4. Emergency telephone number

Emergency telephone CHEMTREC: +1-703-527-3887 (INTERNATIONAL)

+1-800-424-9300 (NORTH AMERICA)



Emergency telephone §45 - (EC)1272/2008	
Europe	112

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity (single exposure)	Category 3 - (H335)

2.2. Label elements



Signal word

Warning

Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves and eye/face protection

P312 - Call a POISON CENTER or doctor if you feel unwell

P321 - Specific treatment (see supplemental first aid instructions on this label)

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

2.3. Other hazards

No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical name	EC No	CAS No.	 Classification according to Regulation (EC) No.	0
			1272/2008 [CLP]	



2-Propanol, 1-(2-butoxy-1-methyletho xy)-	249-951-5	29911-28-2	1 - 5%	Acute Tox. 4 (H302) Aquatic Chronic 3 (H412)	No data available
Triethylamine	204-469-4	121-44-8	1 - 5%	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Corr. 1A (H314) Flam. Liq. 2 (H225) Acute Tox. 4 (H332)	No data available
Silica, amorphous, fumed, crystal-free	-	112945-52-5	1 - 5%	No data available	No data available
Propylene Glycol	200-338-0	57-55-6	1 - 5%	No data available	No data available
Dipropylene glycol monomethyl ether	252-104-2	34590-94-8	1 - 5%	STOT SE3 (H335)	No data available

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

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

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get

medical attention immediately if symptoms occur.

Skin contact Wash off immediately with soap and plenty of water for at least 15 minutes. Get

medical attention if irritation develops and persists.

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.

Ingestion Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of

water. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see

section 8).

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

Symptoms Burning sensation. Inhalation of high vapor concentrations may cause symptoms

like headache, dizziness, tiredness, nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: FIRE FIGHTING MEASURES



5.1. Extinguishing media

surrounding environment.

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

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous Combustion Products

Carbon oxides.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Use personal protective equipment as required.

Avoid contact with skin, eyes or clothing. Special danger of slipping by

leaking/spilling product.

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

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so.

6.3. 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 Soak up with inert absorbent material. Pick up and transfer to properly labeled

containers.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe 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. Ensure adequate ventilation. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

Chemical name	EU	United Kingdom	France	Spain	Germany
Triethylamine	S*	STEL: 4 ppm	TWA: 1 ppm	vía dérmica*	TWA: 1 ppm
121-44-8	TWA 2 ppm	STEL: 17 mg/m ³	TWA: 4.2 mg/m ³	STEL: 3 ppm	TWA: 4.2 mg/m ³
	TWA 8.4 mg/m ³	TWA: 2 ppm	*	STEL: 12.6 mg/m ³	S*
	STEL 3 ppm	TWA: 8 mg/m ³	STEL: 3 ppm	TWA: 2 ppm	
	STEL 12.6 mg/m ³		STEL: 12.6 mg/m ³	TWA: 8.4 mg/m ³	
Propylene Glycol	-	STEL: 450 ppm	-	-	-
57-55-6		STEL: 1422			
		mg/m³			
		STEL: 30 mg/m ³			
		TWA: 150 ppm			
		TWA: 474 mg/m ³			
		TWA: 10 mg/m ³			
Dipropylene glycol	S*	STEL: 150 ppm	TWA: 50 ppm	vía dérmica*	TWA: 50 ppm
monomethyl ether	TWA 50 ppm	STEL: 924 mg/m ³	TWA: 308 mg/m ³	TWA: 50 ppm	TWA: 310 mg/m ³
34590-94-8	TWA 308 mg/m ³	TWA: 50 ppm	*	TWA: 308 mg/m ³	
		TWA: 308 mg/m ³			
		Sk*			
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Triethylamine	TWA: 2 ppm	STEL: 3 ppm	H*	STEL: 1 ppm	TWA: 1 ppm
121-44-8	TWA: 8.4 mg/m ³	TWA: 1 ppm	STEL: 12.6 mg/m ³	STEL: 4.2 mg/m ³	TWA: 4.1 mg/m ³
	STEL: 3 ppm		TWA: 4.2 mg/m ³	iho*	H*
	STEL: 12.6 mg/m ³				
	pelle*				
Dipropylene glycol	TWA: 50 ppm	STEL: 150 ppm	TWA: 300 mg/m ³	TWA: 50 ppm	TWA: 50 ppm
monomethyl ether	TWA: 308 mg/m ³	TWA: 100 ppm		TWA: 310 mg/m ³	TWA: 309 mg/m ³
34590-94-8	pelle*			iho*	H*
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Triethylamine	H*	STEL: 2 ppm	P*	TWA: 2 ppm	TWA: 2 ppm
121-44-8	STEL 3 ppm	STEL: 8.4 mg/m ³	STEL: 9 mg/m ³	TWA: 8 mg/m ³	TWA: 8.4 mg/m ³



	STEL 12.6 mg/m ³	TWA: 1 ppm	TWA: 3 mg/m ³	H*	STEL: 3 ppm
	TWA: 2 ppm	TWA: 4.2 mg/m ³		STEL: 4 ppm	STEL: 12.6 mg/m ³
	TWA: 8.4 mg/m ³			STEL: 16 mg/m ³	Sk*
Silica, amorphous,	TWA: 4 mg/m ³	TWA: 4 mg/m ³	-	-	-
fumed, crystal-free					
112945-52-5					
Propylene Glycol	-	-	-	TWA: 25 ppm	TWA: 150 ppm
57-55-6				TWA: 79 mg/m ³	TWA: 470 mg/m ³
				STEL: 37.5 ppm	TWA: 10 mg/m ³
				STEL: 118.5	STEL: 450 ppm
				mg/m³	STEL: 1410
					mg/m³
					STEL: 30 mg/m ³
Dipropylene glycol	H*	STEL: 50 ppm	P*	TWA: 50 ppm	TWA: 50 ppm
monomethyl ether	STEL 100 ppm	STEL: 300 mg/m ³	STEL: 480 mg/m ³	TWA: 300 mg/m ³	TWA: 308 mg/m ³
34590-94-8	STEL 614 mg/m ³	TWA: 50 ppm	TWA: 240 mg/m ³	H*	STEL: 150 ppm
	TWA: 50 ppm	TWA: 300 mg/m ³		STEL: 75 ppm	STEL: 924 mg/m ³
	TWA: 307 mg/m ³			STEL: 375 mg/m ³	Sk*

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Personal protective equipment

Eye/face protection If splashes are likely to occur, wear safety glasses with side-shields.

Hand Protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Environmental exposure

controls

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 stateLiquidAppearanceTranslucentOdorAmine

ColorNo information availableOdor ThresholdNo information available

 Property
 Values
 Remarks
 Method

 pH
 7
 ASTM E 70.07 (2015)

Melting / freezing point

No data available

None known

Boiling point / boiling range 100 °C

Flash PointNo data availableNone knownEvaporation RateNo data availableNone knownFlammability (solid, gas)No data availableNone knownFlammability Limit in AirNone known



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Upper flammability limitNo data availableLower flammability limitNo data availableVapor pressureNo data available

No data available None known Vapor density No data available None known 1.06 g/L Relative density ASTM 1475-13 Water Solubility Soluble in water None known Solubility(ies) No data available None known Partition coefficient: n-octanol/waterNo data available None known **Autoignition temperature** No data available None known No data available **Decomposition temperature** None known No data available None known Kinematic viscosity **Viscosity** 54-59 KU ASTM 2938.17

9.2. Other information

Softening Point No information available **Molecular Weight** No information available **VOC Content (%)** No information available EPA VOC (q/I) 104 (ISO 118990-2) **Liquid Density** No information available **Bulk Density** No information available **Particle Size** No information available **Particle Size Distribution** No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions

Possibility of Hazardous

None under normal processing.

Reactions

Hazardous Polymerization Hazardous polymerization does not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong acids, Strong bases, Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides.



Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

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

of respiratory tract. May cause drowsiness or dizziness.

Eye contact Specific test data for the substance or mixture is not available. Irritating to eyes.

(based on components). Causes serious eye irritation.

Skin contact Specific test data for the substance or mixture is not available. Causes skin

irritation. (based on components).

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

cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

Symptoms Redness. May cause redness and tearing of the eyes. Inhalation of high vapor

concentrations may cause symptoms like headache, dizziness, tiredness, nausea

and vomiting.

Numerical measures of toxicity

Acute Toxicity

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

 ATEmix (oral)
 5,312.00 mg/kg

 ATEmix (dermal)
 24,551.00 mg/kg

 ATEmix
 52.50 mg/L

(inhalation-dust/mist)

ATEmix (inhalation-vapor) 385.00 mg/L

Unknown acute toxicity

No information available

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
2-Propanol,	= 1620 μL/kg (Rat)	= 5860 μL/kg (Rabbit)	= 42.1 ppm (Rat) 4 h
1-(2-butoxy-1-methylethoxy)-			
Triethylamine	= 460 mg/kg (Rat)	= 415 mg/kg (Rabbit) =	= 1250 ppm (Rat) 4 h
		570 μL/kg (Rabbit)	
Silica, amorphous, fumed,	= 3160 mg/kg (Rat)	-	-
crystal-free			
Propylene Glycol	= 20 g/kg (Rat)	= 20800 mg/kg (Rabbit)	-
Dipropylene glycol	= 5.35 g/kg (Rat)	= 9500 mg/kg (Rabbit)	-
monomethyl ether			

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



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Skin corrosion/irritation Classification based on data available for ingredients. Irritating to skin.

Serious eye damage/eye

irritation

Classification based on data available for ingredients. Irritating to eyes.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive Toxicity No information available.

STOT - single exposure May cause respiratory irritation.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to	Daphnia Magna
			Microorganisms	(Water Flea)
2-Propanol,	=	96h LC50: = 841 mg/L	=	-
1-(2-butoxy-1-methylet hoxy)-		(Poecilia reticulata)		
Triethylamine	-	96h LC50: = 43.7 mg/L	EC50 = 127 mg/L 2 h	48h EC50: = 200 mg/L
·		(Pimephales promelas)	EC50 = 95 mg/L 17 h	
Propylene Glycol	96h EC50: = 19000	96h LC50: = 710 mg/L	-	24h EC50: > 10000
	mg/L	(Pimephales promelas)		mg/L 48h EC50: >
	(Pseudokirchneriella	96h LC50: 41 - 47		1000 mg/L
	subcapitata)	mL/L (Oncorhynchus		
		mykiss) 96h LC50: =		
	51400 m			
	(Pimephales promelas)			
		96h LC50: = 51600		
mg/L (Oncorhynchus				
		mykiss)		
Dipropylene glycol	-	96h LC50: > 10000	-	48h LC50: = 1919
monomethyl ether		mg/L (Pimephales		mg/L
		promelas)		

12.2. Persistence and degradability



Persistence and Degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Chemical name	Log Pow
Triethylamine	1.45
Dipropylene glycol monomethyl ether	-0.064

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment
2-Propanol, 1-(2-butoxy-1-methylethoxy)-	The substance is not PBT / vPvB
Triethylamine	The substance is not PBT / vPvB
Propylene Glycol	The substance is not PBT / vPvB PBT assessment does
	not apply
Dipropylene glycol monomethyl ether	The substance is not PBT / vPvB

12.6. Other adverse effects

Other adverse effects No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance

with environmental legislation.

Contaminated packaging No information available.

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/IMONot regulated14.1 UN-No.Not regulated14.2 Proper Shipping NameNot regulated

14.3 Hazard Class N/A

14.4 Packing Group14.5 Marine PollutantNot regulatedNot applicable



14.6 Special Provisions None

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available

RID
14.1 UN-No. Not regulated
14.2 Proper Shipping Name
14.3 Hazard Class Not regulated
14.4 Packing Group Not regulated
14.5 Environmental hazard Not applicable

14.6 Special Provisions None

ADR
14.1 UN-No.
14.2 Proper Shipping Name
14.3 Hazard Class
14.4 Packing Group
14.5 Environmental hazard
Not regulated
Not regulated
Not regulated
Not applicable

14.6 Special Provisions None

IATA Not regulated
 14.1 UN-No. Not regulated
 14.2 Proper Shipping Name NON REGULATED

14.3 Hazard Class N/A

14.4 Packing Group14.5 Environmental hazardNot regulatedNot applicable

14.6 Special Provisions None

Section 15: REGULATORY INFORMATION

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

National regulations

France

Occupational Illnesses (R-463-3, France)

	Chemical name	French RG number	Title
Triethylamine		RG 49,RG 49bis	-
	121-44-8		
	Silica, amorphous, fumed, crystal-free	RG 5,RG 14,RG 15,RG 15bis,RG	-
	112945-52-5	20bis	
	Propylene Glycol	RG 84	-
	57-55-6		
	Dipropylene glycol monomethyl ether	RG 84	-
	34590-94-8		

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work .



Authorizations and/or restrictions on use:

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

Persistent Organic Pollutants

Not applicable.

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable.

International Inventories

Contact supplier for inventory compliance status. **TSCA** Contact supplier for inventory compliance status. DSL/NDSL Contact supplier for inventory compliance status. **EINECS/ELINCS** Contact supplier for inventory compliance status. **ENCS IECSC** Contact supplier for inventory compliance status. **KECL** Contact supplier for inventory compliance status. **PICCS** Contact supplier for inventory compliance status. **AICS** 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

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available.

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under sections 2 and 3

H225 - Highly flammable liquid and vapor

H302 - Harmful if swallowed

H312 - Harmful in contact with skin

H314 - Causes severe skin burns and eye damage

H332 - Harmful if inhaled

H335 - May cause respiratory irritation

H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorization:



Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value - Skin designation

Key literature references and sources for data

www.ChemADVISOR.com/

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This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006.

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



