

Revision date: 15-May-2024

Supersedes: 30-Aug-2018

SDS Number: 12495

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product Identifier****Product name:** RHEOLUXE® 880**Other means of identification****Recommended use of the chemical and restrictions on use****Product Use Description:** Rheological additive**Details of the supplier of the safety data sheet****Company/Undertaking Identification**Elementis
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USA
Tel: +1 609 443 2500
Fax: +1 609 443 2422Elementis UK Ltd.
c/o Elementis GmbH
Stolberger Str. 370
50933 Cologne, Germany
Tel. +49 (0) 221 2923 2000**Emergency Telephone Number**

For Chemical Emergency ONLY (spill, leak, fire, exposure or accident), call CHEMTREC at: 1-800-424-9300 or 1-703-527-3887. 24 Hour.

For ALL other inquiries about this product, call Elementis at: 1-609-443-2000 (USA) or +49 (0) 221 2923 2000 (EU)

Product_Stewardship@elementis.com

2. HAZARDS IDENTIFICATION**Classification****OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements**EMERGENCY OVERVIEW**

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance: Hazy Liquid**Physical state:** Liquid**Odor:** Mild

Hazards not otherwise classified (HNOC)
Other Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components, or components with exposure limits (see section 8)

Components	CAS-No	Weight %
1,2-Propylene glycol	57-55-6	50 - 100 %
2,6-Di-tert-butyl-p-cresol	128-37-0	0 - 1 %

4. FIRST AID MEASURES

FIRST AID MEASURES

General advice:	Show this safety data sheet to the doctor in attendance. Get medical attention immediately if symptoms occur.
Inhalation:	Move to fresh air in case of accidental inhalation of mists or vapours. If breathing is difficult, give oxygen.
Skin contact:	Wash off immediately with soap and plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
Eye contact:	Rinse immediately carefully and thoroughly with eye-bath or water. If eye irritation persists, consult a specialist.
Ingestion	If swallowed, seek medical advice immediately and show this SDS or label. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Protection of first-aiders:	Avoid contact with skin and eyes.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects	None.
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Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide (CO₂)
Dry powder
Dry sand
Alcohol-resistant foam
Use water spray or fog; do not use straight streams

Extinguishing media which must not be used for safety reasons

None

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

None in particular

Unusual Fire and Explosion Hazards:

May emit toxic fumes under fire conditions

Hazardous combustion products

Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

Explosion data**Explosive properties:**

Not explosive

Reactivity Hazard:

None known

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

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

Personal precautions Keep people away from and upwind of spill/leak. Use personal protective equipment.

Other Information: See Section 12 for more information.

Environmental precautions

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Clean-up methods: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

7. HANDLING AND STORAGE**Precautions for Safe Handling**

Handling: Avoid contact with skin, eyes and clothing. Avoid breathing mists, dusts, or vapors. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a cool, well-ventilated place. Keep product and empty container away from heat and sources of ignition.

Additional Storage: Not required under normal use

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

Components	OSHA STEL	OSHA PEL	OSHA TWA	OEL - Long-term TWA
2,6-Di-tert-butyl-p-cresol			10 mg/m ³	

Components	ACGIH TLV	AIHA TLV	OSHA TWA	IDLH:
2,6-Di-tert-butyl-p-cresol 128-37-0	TWA: 2 mg/m ³			

Components	WEEL Ceiling	WEEL TWA	ACGIH	WEEL STEL
1,2-Propylene glycol		10 mg/m ³		
2,6-Di-tert-butyl-p-cresol			A4 Not Classifiable as a Human Carcinogen	

TLV/PEL: Not established

Appropriate engineering controls

Engineering Measures Use only with adequate ventilation

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses.

Skin and body protection Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection Protective gloves
Neoprene gloves

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state: Liquid
Appearance: Hazy Liquid
Odor: Mild
Color: Translucent
Odor Threshold: No data available

Property	Values	Remarks / • Method
pH	No data available	
Melting point/range:	No data available	
Freezing point:	No data available	
Boiling Point/Range	< 370 °F / < 188°C	
Flash Point	> 99 °C / > 210 °F	
Evaporation rate	No data available	
Explosion limits:	No data available	
Vapor pressure	No data available	
Vapor density	No data available	
Density:	No data available	
Water solubility	Soluble	
Solubility in other solvents	No data available	
Partition coefficient: n-octanol/water	No data available	
Autoignition temperature	Not self-igniting	
Decomposition temperature	No data available	
Viscosity:	3000 - 10,000 mPa.s	
Explosive properties:	Not explosive	
Oxidizing Properties	No information available	

Other Information

Bulk Density No data available

10. STABILITY AND REACTIVITY**Reactivity**

No dangerous reaction known under conditions of normal use

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None known

Conditions to Avoid

Heat, flames and sparks

Incompatible Materials:

Oxidizing agent

Hazardous Decomposition Products

None reasonably foreseeable

11. TOXICOLOGICAL INFORMATION**Product Information**

Data obtained on this product or a similar product

LD50/Oral/Rat: > 10,000 mg/kg

Information on likely routes of exposure

Inhalation: No data available

Eye contact: No data available

Skin contact: No data available

Ingestion No data available

Component Information

Components	LD50/Oral	LD50/Dermal	LC50/inhalation
1,2-Propylene glycol 57-55-6	> 20000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	
2,6-Di-tert-butyl-p-cresol 128-37-0	> 5000 mg/kg (rat)	> 2000 mg/kg (Rat)	

Information on Toxicological Effects**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Corrosivity No data available

Sensitization Patch test on human volunteers did not demonstrate sensitization properties

Mutagenic effects No data available

Carcinogenic effects: There are no known carcinogenic chemicals in this product

Components	ACGIH	IARC	NTP	OSHA
2,6-Di-tert-butyl-p-cresol 128-37-0	A4 Not Classifiable as a Human Carcinogen	Group 3	Group 3	

Reproductive Toxicity: No data available

Developmental Toxicity No data available

Chronic Toxicity

Chronic toxicity: No data is available on the product itself

Target Organ Effects: None known.

Other Adverse Effects: No data available

12. ECOLOGICAL INFORMATION

Product Information There is no data available for this product

Ecotoxicity

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

Components	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
1,2-Propylene glycol 57-55-6	ErC50: 19000 mg/L (Pseudokirchneriella subcapitata; 96h)	LC50: 40613 mg/L (Oncorhynchus mykiss; 96h)	LC50: 18340 mg/L (48h)
2,6-Di-tert-butyl-p-cresol 128-37-0	EC50: > 0.4 mg/l (72 h)	LC50: > 0.57 mg/L (Danio rerio; 96h)	EC50: 0.48 mg/l (48h)

Components	LC50	EC50	Bioaccumulation Concentration Factor	No Observable Effect Concentration (NOEC)
1,2-Propylene glycol	51600 mg/L (Oncorhynchus mykiss; 96 h static) 41 - 47 mL/L (Oncorhynchus mykiss; 96 h static) 51400 mg/L (Pimephales promelas; 96 h static) 710 mg/L (Pimephales promelas; 96 h)	1000 mg/L (Daphnia magna 48 h) Static 19000 mg/L (Pseudokirchneriella subcapitata; 96 h)		
2,6-Di-tert-butyl-p-cresol		6 mg/L (Pseudokirchneriella subcapitata; 72 h) 0.42 mg/L (Desmodesmus subspicatus; 72 h)		

Persistence and degradability:

No data available

Bioaccumulative potential:

No data available

Components	Log Pow
1,2-Propylene glycol	-1.07
2,6-Di-tert-butyl-p-cresol	5.1

Mobility

No information available

General Note:

Do not allow product to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues /unused products Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.

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

RCRA Hazardous Waste:

RCRA: Not listed

14. TRANSPORT INFORMATION

U.S. Department of Transportation Ground (49 CFR): Not Regulated

International Air Transport Association (IATA) Not Regulated

International Maritime Dangerous Goods (IMDG) Not Regulated

Surface Shipments in Europe (ADR/RID): Not Regulated

15. REGULATORY INFORMATION

EU-Regulations

For purchases from Elementis EU legal entities, all ingredients are currently registered or exempt under REACH. For purchases from non-EU Elementis legal entities with the intention to export into the EU, please contact your Elementis representative/local office.

China IECSC Statement

For purchases from Elementis China legal entities, all ingredients are currently registered or exempt under China Measures for Environmental Management of New Chemical Substances (MEE Order No. 12). For purchases from outside China please contact your Elementis representative/local office.

Taiwan Regulations

For purchases from Elementis Taiwan legal entities, all ingredients are currently registered or exempt under Regulations of New and Existing Chemical Substances Registration in Taiwan. For purchases from outside Taiwan please contact your Elementis representative/local office.

K-REACH

All ingredients are currently registered/pre-registered or exempt accordance with Korea REACH (K-REACH) requirements under Elementis. For purchases from outside Korea please contact your Elementis representative/local office.

International Inventories

USA (TSCA):	Complies
EU (EINECS):	Complies
EU REACH:	Complies
Canada (DSL)	Complies
CANADA (NDSL):	Not applicable
JAPAN (ENCS):	Complies
PHILIPPINES (PICCS):	Complies
KOREA (KECL):	Complies
China (IECSC)	Complies
AUSTRALIA (AICIS):	Complies
NEW ZEALAND (NZIoC):	Complies
TAIWAN (TCSI):	Complies

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

None

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)

TSCA Section 12(b) Export Notification

This product does not contain chemicals that are required to be notified under the TSCA 12(b) Export Notification.

State Regulations (RTK)

California Proposition 65

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

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
ENCS - Japan Existing and New Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICIS - Australian Industrial Chemicals Introduction Scheme
NZIoC - New Zealand Inventory of Chemicals
TCSI - Taiwan Chemical Substance Inventory

16. OTHER INFORMATION

HMIS:

Health:	1
Flammability:	1
Physical Hazard:	0

Previous Revision Date: 30-Aug-2018

Key/Legend: N/A: Not applicable
N/D: Not determined
ppm: Parts per million
X: Listed

Prepared by Product Stewardship

The information provided in this Safety Data Sheet is correct to the best of ELEMENTIS' knowledge, information and belief at the date of its publication. The information given is designed only as 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 product designated and may not be valid for such product when used in combination with any other material or in any

process, unless specified in this SDS. ELEMENTIS specifically disclaims any liability for any loss, injury or damage which may result from use or misuse of this product. All chemicals should be handled only by competent personnel, within a controlled environment. It is the buyer's/user's responsibility to ensure that his activities comply with all applicable federal, state, provincial and local laws, and to determine the conditions necessary for the safe use of this product. ELEMENTIS urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product.

End of Safety Data Sheet