ELEMENTIS

A global specialty chemicals company

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard 2024

Revision date: 19-Jan-2026 **Supercedes:** 27-Feb-2024 **SDS Number:** 10930

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

Product Identifier

Product name: BENTONE GEL® EUG V

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 UK Ltd.
c/o Elementis Nederland BV
Distributiestraat 5
7041 KJ 's-Heerenberg
Nederland
Tel: +351 221 215 791

Elementis Portugal Lda.,
Rua Santos Pousada, no.262,
Portugal 4000-478, Porto
Tel: +351 221 215 791

Elementis Specialties Inc.
469 Old Trenton Road
East Windsor, NJ 08512
USA
Tel: +1-609-443-2000

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 +(351)221 215 791 (EU)

Product_Stewardship@elementis.com

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2024 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: Gel **Physical state:** Solid **Odor:** Odourless

Hazards not otherwise classified (HNOC)
Other Information
None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Components	CAS-No	Weight %
Propylene carbonate	108-32-7	< 3%

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: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. 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.

Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

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 (CO_2)
Nitrogen oxides (NO_x)
Gaseous hydrogen chloride (HCl)

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. Store at room temperature in the original container.
Additional Storage:	Not required under normal use

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

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: Solid
Appearance: Gel
Odor: Odourless
Color: Light Buff
Odor Threshold No data available

Property	Values	Remarks / • Method
pH	No data available	
Melting point/range:	- 4 ºF / - 20°C	
Freezing point:	No data available	
Boiling Point/Range	No data available	
Flash Point	> 180 °C / > 356 °F	PMCC
Evaporation rate	No data available	
Explosion limits:	NO data available	
Vapor pressure	No data available	
Relative vapor density	No data available	
Density:	0.86 g/cm³	
and/or Relative density:		
Water solubility	insoluble	
Solubility in other solvents	No data available	
Partition coefficient: No data available		
n-octanol/water		
(logarithmic value)		
Autoignition temperature	Not self-igniting	

Decomposition temperature No data available
Viscosity, kinematic No data available

Explosive properties: Not explosive
Oxidizing Properties No information available

Other Information

Bulk Density No data available
Particle characteristics 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: > 2000 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
Propylene carbonate 108-32-7	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5 gm/m^3

Information on Toxicological Effects

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

Corrosivity No data available

Sensitization No data available

Mutagenic effects No data available

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

Reproductive Toxicity: No data available

Developmental Toxicity No data available

Chronic Toxicity

Chronic toxicity: No data is available on the product itself

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)
Propylene carbonate 108-32-7	EC50: >900 mg/L (72h)	LC50: >1000 mg/L (96h)	EC50: >1000 mg/L (48h)

Components	LC50	EC50	Bioaccumulation Concentration Factor	No Observable Effect Concentration (NOEC)
Propylene carbonate	1000 mg/L (Cyprinus carpio; 96 h semi-static)	500 mg/L (Daphnia magna 48 h) 500 mg/L (Desmodesmus subspicatus; 72 h)		

Persistence and degradability:

No data available

Bioaccumulative potential:

No data available

Components	Log Pow
Propylene carbonate	0.48

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 federal, state and 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

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/NDSL - 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: 27-Feb-2024

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

Prepared by Product Stewardship

Reason for revision: Update to Format

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