

Revision date: 10-Jun-2021

Supersedes: 10-Jun-2021

SDS Number: 10931

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Chemical Identification BENTONE GEL® GTCC V

Recommended use of the chemical and restrictions on use Rheological additive

Company Identification	Elementis 469 Old Trenton Road East Windsor, NJ 08512 USA Tel: 1 (609) 443-2000 Elementis UK Ltd. c/o Elementis GmbH Stolberger Str. 370 50933 Cologne, Germany Tel. +49 (0) 221 2923 2000	DEUCHEM (SHANGHAI) CHEMICAL CO. LTD. No. 99, LianYang Road Songjiang Industrial Zone 201613, Shanghai China Tel: +86 21 5774 0348 Fax: +86 21 5774 3563
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Emergency telephone number In China, for Chemical Emergency ONLY (spill, leak, fire, exposure or accident), call Chemical Accident Emergency Consulting Service Hotline at 400-6267911.

Outside of China, for Chemical Emergency ONLY (spill, leak, fire, exposure or accident), call CHEMTREC at 4001-204937 or +1-703-527-3887

For ALL other inquiries about this product, call +86 21 5774 0348

E-mail Address: Product_stewardship@elementis.com

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: Gel	Color: Tan	Odor: Negligible
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Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

GHS - Classification

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

Label Elements

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

Signal Word None

Other Information

None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**Distinction of Substance or Mixture** Mixture**Hazardous components, or components with exposure limits (see section 8)**

Components	CAS-No	Weight %
Propylene carbonate	108-32-7	2.5 - 10%

Section 4: FIRST AID MEASURES

General Advice	Get medical attention immediately if symptoms occur. Show this safety data sheet to the doctor in attendance.
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.
Most Important Symptoms and Effects	None.
Advice for emergency responders	Avoid contact with skin and eyes.
Notes to physician	Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES**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 hazards:

None in particular

Hazardous combustion products

Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Gaseous hydrogen chloride (HCl)

Unusual Fire and Explosion Hazards:

May emit toxic fumes under fire conditions

Explosive properties:

Not explosive

Advice for firefighters and protective measures

Wear self contained breathing apparatus for fire fighting if necessary

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Keep people away from and upwind of spill/leak. Use personal protective equipment.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
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.

Section 7: HANDLING AND STORAGE

Safe handling	Avoid contact with skin, eyes and clothing. Avoid breathing mists, dusts, or vapors. Wash hands thoroughly after handling.
Storage Conditions	Do not freeze. Keep at temperatures above 0 °C. Keep containers tightly closed in a cool, well-ventilated place. Keep product and empty container away from heat and sources of ignition.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Process control	Use only with adequate ventilation
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice
Environmental Exposure Controls	No information available.
<u>Personal Protection:</u>	
Respiratory protection:	In case of insufficient ventilation wear suitable respiratory equipment
Hand protection	Protective gloves, Neoprene gloves,
Eye 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

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Appearance:	Gel
Color:	Tan
Odor:	Negligible
Odor Threshold	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks / • Method</u>
pH	No data available	

Melting point/range:	No data available	
Freezing point:	No data available	
Boiling Point/Range	No data available	
Flash Point	> 100 °C / > 212 °F	ASTM D3278
Evaporation rate	No data available	
Explosion limits:	No data available	
Vapor pressure	No data available	
Vapor density	No data available	
Density:	0.97 g/cm ³	
Water solubility	insoluble	
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:	1500 - 3200 mPas	ASTM D2196
Explosive properties:	Not explosive	
Oxidizing Properties	No information available	
Bulk Density	No data available	

Section 10: STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use

Stability

Stable under recommended storage conditions.

Explosion data:

Not explosive

Hazardous Reactions

None known

Conditions to Avoid

Heat, flames and sparks

Incompatible Materials:

Oxidizing agent

Hazardous Decomposition Products

None reasonably foreseeable

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

No data is available on the product itself

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	LC50/inhalation	LD50/Dermal
Propylene carbonate	> 5000 mg/kg (Rat)	> 5 gm/m ³	> 2000 mg/kg (Rabbit)

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
Target Organ Effects:	None known.

Section 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	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) 5300 mg/L (Leuciscus idus; 96 h 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

Biodegradability: No data available

Components	Log Pow
Propylene carbonate	0.48

Mobility No data available

General Note: Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

Section 13: DISPOSAL CONSIDERATIONS

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.

Section 14: TRANSPORT INFORMATION

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

International Air Transport Association (IATA) Not regulated

International Maritime Dangerous Goods (IMDG) Not regulated

Section 15: REGULATORY INFORMATION**The regulations, provisions and standards specific for the chemical are listed as follows:**

- Regulations on the Safe Management of Hazardous Chemicals in China (Decree 591 of the State Council of China in 2011)
- Measures for Environmental Management of New Chemical Substances (MEE Order No. 12)
- Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace
- Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste
- Occupational exposure limits for hazardous agents in the workplace Part 1: Chemical hazardous
- Rules for classification and labelling of chemicals
- Guidance on the compilation of safety data sheet for chemical products

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.

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.

International Inventories

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

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
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
ENCS - Japan Existing and New Chemical Substances
AICIS - Australian Industrial Chemicals Introduction Scheme
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
PICCS - Philippines Inventory of Chemicals and Chemical Substances
TCSI - Taiwan Chemical Substance Inventory

Section 16: OTHER INFORMATION

Prepared by Product Stewardship
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Sources of key data used to compile the safety data sheet: Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

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