

Revision date: 19-Jan-2026

Supersedes: 10-Dec-2020

SDS Number: 12994

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Identifier****Product name:** BENTONE GEL® LC V**Other means of identification****Recommended use of the chemical and restrictions on use****Product Use Description:** Rheological additive  
**Recommended Use** Cosmetics, personal care products.**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 791Elementis Portugal Lda.,  
Rua Santos Pousada, no.262,  
Portugal 4000-478, Porto  
Tel: +351 221 215 791Elementis 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 product is considered hazardous as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200).

Flammable solids

Category 1

**Label Elements**

**EMERGENCY OVERVIEW****Danger**

Flammable solids

**Appearance:** Gel**Physical state:** Solid**Odor:** Characteristic**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Ground/Bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/equipment  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**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 %
Dodecane	112-40-3	80 - 100%

**4. FIRST AID MEASURES****FIRST AID MEASURES**

<b>General advice:</b>	Show this safety data sheet to the doctor in attendance. Get medical attention immediately if symptoms occur.
<b>Inhalation:</b>	If breathing is difficult, give oxygen. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
<b>Skin contact:</b>	If a person feels unwell or symptoms of skin irritation appear, consult a physician. Wash off immediately with soap and plenty of water.
<b>Eye contact:</b>	If eye irritation persists, consult a specialist. Rinse immediately carefully and thoroughly with eye-bath or water.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If swallowed, seek medical advice immediately and show this SDS or label.
<b>Protection of first-aiders:</b>	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 (CO<sub>2</sub>)  
 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**

Do not use a solid water stream as it may scatter and spread fire

**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<sub>2</sub>)  
 Nitrogen oxides (NO<sub>x</sub>)  
 Gaseous hydrogen chloride (HCl)

**Explosion data****Explosive properties:**

Vapors may form explosive mixtures with air

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

**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:**                                      Take precautionary measures against static discharges. Soak up with inert absorbent material and dispose of as hazardous waste. 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** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Components	OSHA STEL	OSHA PEL	OSHA TWA	OEL - Long-term TWA
Nonane			200 ppm 1050 mg/m <sup>3</sup>	

Components	ACGIH TLV	AIHA TLV	OSHA TWA	IDLH:
Nonane 111-84-2	TWA: 200 ppm			

### Appropriate engineering controls

**Engineering Measures** Maintain adequate engineering controls and/or ventilation to keep hazardous ingredients below their statutory limits. Use an approved respirator whenever exposure limits are exceeded

### 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** Neoprene gloves  
Protective 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

<b>Physical state:</b>	Solid
<b>Appearance:</b>	Gel
<b>Odor:</b>	Characteristic
<b>Color:</b>	Tan
<b>Odor Threshold</b>	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	Not applicable	
Evaporation rate	No data available	
Explosion limits:	No data available	
Vapor pressure	No data available	
Relative vapor density	No data available	
Density:	0.794 g/cm <sup>3</sup>	
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	No data available	
Decomposition temperature	No data available	
Viscosity, kinematic	1000 - 3000 Pa s	
<b>Explosive properties:</b>	Vapors may form explosive mixtures with air	
<b>Oxidizing Properties</b>	No information available	

#### Other Information

<b>Bulk Density</b>	No data available
<b>Particle characteristics</b>	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

No data is available on the product itself

#### Information on likely routes of exposure

<b>Inhalation:</b>	No data available
<b>Eye contact:</b>	No data available
<b>Skin contact:</b>	No data available
<b>Ingestion</b>	No data available

**Component Information**

Components	LD50/Oral	LD50/Dermal	LC50/inhalation
Dodecane 112-40-3		5000 mg/kg (Rabbit)	

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

<b>Corrosivity</b>	No data available
<b>Sensitization</b>	No data available
<b>Mutagenic effects</b>	No data available
<b>Carcinogenic effects:</b>	There are no known carcinogenic chemicals in this product
<b>Reproductive Toxicity:</b>	No data available
<b>Developmental Toxicity</b>	No data available

**Chronic Toxicity**

<b>Chronic toxicity:</b>	No data is available on the product itself
<b>Other Adverse Effects:</b>	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.

**Persistence and degradability:**

No data available

**Bioaccumulative potential:**

No data available

**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:** Characteristic Waste - D001 (ignitable)

**14. TRANSPORT INFORMATION****U.S. Department of Transportation Ground (49 CFR):**

**UN-No:** 1325  
**Proper shipping name:** FLAMMABLE SOLID, ORGANIC, N.O.S. (Dodecane)  
**Hazard Class:** 4.1  
**Hazard Labels:** 4.1  
**Packaging group:** II  
**Marine pollutant:** No

**International Air Transport Association (IATA)**

**UN-No:** 1325  
**Proper shipping name:** FLAMMABLE SOLID, ORGANIC, N.O.S. (Dodecane)  
**Hazard Class:** 4.1  
**Hazard Labels:** 4.1  
**Packing group:** II

**International Maritime Dangerous Goods (IMDG)**

**UN-No** 1325  
**Proper Shipping Name** FLAMMABLE SOLID, ORGANIC, N.O.S. (Dodecane)  
**Hazard class:** 4.1  
**Hazard Labels:** 4.1  
**Packing group:** II  
**EmS:** F-A, S-G  
**IMDG - Marine Pollutants :** No

**Surface Shipments in Europe (ADR/RID):**

**Danger code (Kemler):** 40  
**UN-No:** 1325  
**Proper shipping name:** FLAMMABLE SOLID, ORGANIC, N.O.S. (Dodecane)  
**Hazard Class:** 4.1  
**Packing group:** II  
**Hazard Labels:** 4.1  
**Environmental hazard mark:** No

**15. REGULATORY INFORMATION****US FDA/Non-TSCA Cosmetic statement:**

FDA regulated cosmetic raw material. Not subject to TSCA

**Japan Cosmetic Statement:**

Cosmetic raw material. Not subject to ENCS.

**Korea Cosmetic Statement:**

Cosmetic raw material. Not subject to KECL.

**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**

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

#### **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: 3

Physical Hazard: 0

This Material Safety Data Sheet 5

contains changes from the previous

version in Sections:

Previous Revision Date: 10-Dec-2020

### Key/Legend:

N/A: Not applicable

N/D: Not determined

ppm: Parts per million

X: Listed

### Prepared by

Product Stewardship

### Reason for revision:

(M)SDS sections updated 15

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**