

Revision date: 19-Oct-2020

Supersedes: 14-Nov-2019

SDS Number: 12979

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product Identifier****Product name:** BENTONE GEL® HS 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
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East Windsor, NJ 08512
USA
Tel: +1 609 443 2500
Fax: +1 609 443 2422Elementis UK Ltd.
c/o Elementis GmbH
Stölberger 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

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 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:** No data available**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 CO2, dry chemical, or foam for extinction

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 %
Ethyl alcohol	64-17-5	1- 2.5 %

4. FIRST AID MEASURES**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.

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

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 (CO₂)
 Nitrogen oxides (NO_x)
 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 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: 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. Remove all sources of ignition. 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
Ethyl alcohol		1900 MGM3 1000 ppm	1900 MGM3 1000 ppm	1000 ppm 1920 mg/m ³

Components	ACGIH TLV	AIHA TLV	OSHA TWA	IDLH:
Ethyl alcohol 64-17-5				3300 ppm

Components	WEEL Ceiling	WEEL TWA	ACGIH	WEEL STEL
Ethyl alcohol			A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans	

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 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
Color: Light tan
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	No data available	
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	No data available
Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity:	No data available
Explosive properties:	Vapors may form explosive mixtures with air
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 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	LD50/Dermal	LC50/inhalation
Ethyl alcohol 64-17-5	10470 mg/kg (Rat)	-	124.7 mg/L/(Rat/4h)

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:** The table below indicates whether each agency has listed any ingredient as a carcinogen

Components	ACGIH	IARC	NTP	OSHA
Ethyl alcohol 64-17-5	A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans	Group 1- Carcinogenic to humans (Alcoholic beverages)		Present

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)
Ethyl alcohol 64-17-5	EC50: 275 mg/l (72h)	LC50: 15300 mg/l (Pimephales promelas; 96h)	LC50: 5012 mg/ (48h)

Components	LC50	EC50	Bioaccumulation Concentration Factor	No Observable Effect Concentration (NOEC)
Ethyl alcohol	12.0 - 16.0 mL/L (Oncorhynchus mykiss; 96 h static) 100 mg/L (Pimephales promelas; 96 h static) 13400 - 15100 mg/L (Pimephales promelas; 96 h flow-through)	9268 - 14221 mg/L (Daphnia magna 48 h) 10800 mg/L (Daphnia magna 24 h) 2 mg/L (Daphnia magna 48 h) Static		

Persistence and degradability:

No data available

Bioaccumulative potential:

No data available

Components	Log Pow
Ethyl alcohol	-0.32

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. (Denatured alcohol)
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. (Denatured alcohol)
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. (Denatured alcohol)
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. (Denatured alcohol)
Hazard Class: 4.1
Packing group: II
Hazard Labels: 4.1
Environmental hazard mark: No

15. REGULATORY INFORMATION

International Inventories

USA (TSCA): Complies
EU (EINECS): Complies
EU REACH: Complies
CANADA (DSL) Does not comply
CANADA (NDSL): Complies
JAPAN (ENCS): Complies
PHILIPPINES (PICCS): Does not comply

KOREA (KECL): Complies
China (IECSC) Complies
AUSTRALIA (AICS): Complies
NEW ZEALAND (NZIoC): Does not comply
TAIWAN (NECI): Does not comply

US FDA/Non-TSCA Cosmetic statement: FDA regulated cosmetic raw material. Not subject to TSCA

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
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
NECI - Taiwan National Existing Chemical Inventory

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.

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 contains the following substance (s) known to the state of California to cause cancer and/or developmental effects.

Components	Carcinogen	Reproductive toxicity	No significant risk level
Ethyl alcohol 64-17-5	Listed	Developmental toxicity	

16. OTHER INFORMATION

HMIS:

Health: 1

Flammability: 3
Physical Hazard: 0

This Material Safety Data Sheet 15
contains changes from the previous
version in Sections:
Previous Revision Date: 14-Nov-2019

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