

Revision date: 19-Apr-2023

Supersedes: 22-Feb-2019

SDS Number: 12966

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Identifier****Product name:** BENTONE HYDROCLAY™ 1100**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**

<b>Company/Undertaking Identification</b>	Elementis 469 Old Trenton Road East Windsor, NJ 08512 USA Tel: +1 609 443 2500 Fax: +1 609 443 2422	Elementis 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. 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**

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

**Appearance:** Powder**Physical state:** Solid**Odor:** Odourless

**Hazards not otherwise classified (HNOC)****Other Information**

None known

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

The product contains no substances required for disclosure according to the relevant GHS requirements.

**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**

<b>Most Important Symptoms and Effects</b>	Difficulty in breathing.
--	--------------------------

**Indication of any immediate medical attention and special treatment needed**

<b>Notes to physician</b>	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<sub>2</sub>)

### **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** 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:** Do not create a powder cloud by using a brush or compressed air. Take up mechanically, placing in appropriate 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 dry and tightly closed to avoid moisture absorption and contamination. 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.

**TLV/PEL:** Particles (insoluble or poorly soluble)Not Otherwise Specified [PNOS]

**OSHA TWA** 10 mg/m<sup>3</sup> (inhalable particles)

**ACGIH TWA** 5 mg/m<sup>3</sup> (respirable particles)  
10 mg/m<sup>3</sup> (inhalable particles)  
3 mg/m<sup>3</sup> (respirable particles)

#### 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:** Effective dust mask.

**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:** Powder  
**Odor:** Odourless  
**Color:** Off-white  
**Odor Threshold** No data available

<u>Property</u>	<u>Values</u>	<u>Remarks / • Method</u>
pH	No data available	
Melting point/range:	Not applicable	
Freezing point:	Not applicable	
Boiling Point/Range	Not applicable	
Flash Point	Not applicable	
Evaporation rate	No data available	
Explosion limits:	No data available	
Vapor pressure	No data available	
Vapor density	No data available	
Density:	2.6 g/cm <sup>3</sup>	
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:	No data available	
<b>Explosive properties:</b>	Not explosive	
<b>Oxidizing Properties</b>	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:** > 5000 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****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.

**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:

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****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**

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:** 0  
**Physical Hazard:** 0

**Previous Revision Date:** 22-Feb-2019

**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 9

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**