



SAFETY DATA SHEET

According to OSHA Hazard Communication Standard 2012

Revision date: 09-Sep-2015

Supersedes: 12-Sep-2014

SDS 10841

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

Product Identifier

Product name: BENTONE® MA

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 Specialties, Inc.
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
Stolberger 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 Specialties 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

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance: Powder

Physical state: Solid

Odor: Odourless

Hazards not otherwise classified (HNOC)

Other Information

Revision Number: 1.3

Powdered material may form explosive dust-air mixtures

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health

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	Difficulty in breathing.
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Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically.
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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:

None known

Hazardous combustion products

Carbon monoxide
Carbon dioxide (CO₂)

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: Do not create a powder cloud by using a brush or compressed air. Take up mechanically, placing in appropriate containers for disposal. Take precautionary measures against static discharges. Prevent product from entering drains. Clean contaminated surface thoroughly. Local authorities should be advised if significant spillages cannot be contained.

7. HANDLING AND STORAGE**Precautions for Safe Handling**

Handling: Take precautionary measures against static discharges. Remove all sources of ignition. 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 ³ (inhalable particles)
	5 mg/m ³ (respirable particles)
ACGIH TWA	10 mg/m ³ (inhalable particles)
	3 mg/m ³ (respirable particles)

Appropriate engineering controls

Engineering Measures Maintain adequate ventilation to keep hazardous ingredients below their PELs or TLVs Use NIOSH/MSHA approved respirator whenever exposure limits 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:	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 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:	No data available	
Explosive properties:	Not explosive	
Oxidizing Properties	No information available	

Other Information

Bulk Density	No data available
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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 agents

Hazardous Decomposition Products

None reasonably foreseeable

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:	No data available
Eye contact:	No data available
Skin contact:	No data available
Ingestion	No data available

Product Information

Data obtained on this product or a similar product

LD50/Oral/Rat:	> 5000 mg/kg
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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 sensitizing effects known
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

No data available

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:

Not known to be hazardous to environment/water.

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
REACH	Complies
CANADA (DSL)	Complies
CANADA (NDSL):	Not applicable
JAPAN (ENCS):	Complies
PHILIPPINES (PICCS):	Complies
KOREA (KECL):	Complies
China (IECSC)	Complies

AUSTRALIA (AICS):	Complies
NEW ZEALAND (NZIoC):	Complies
TAIWAN (NECI):	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
 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

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

Canada

WHMIS hazard class: Non-controlled
 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

16. OTHER INFORMATION**HMIS:**

Health:	1
Flammability:	0
Physical Hazard:	0

This Material Safety Data Sheet 2
**contains changes from the previous
version in Sections:**

Previous Revision Date: 12-Sep-2014

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