



SAFETY DATA SHEET

Material Safety Data Sheet

Product Name: Bentonite

Material Name: SEPIGEL (all Grades), BENTOSEAL, SEPIPLUG

Section 1: Chemical Product And Company Identification

Product Name: Bentonite
Catalog Codes: SEPIGEL, SIPIGEL NT,
BENTOSEAL, SEPIPLUG.
CAS#: 1302-78-9
Ci#: Not Applicable.
Synonym: Montmorillonite Clay, Sodium Bentonite
Chemical Name: Not Available.
Chemical Family: Mineral

Application: Viscosifier

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Revision Date: 11/17/2011
Revision Number: 1
MSDS Status: Approved

Section 2: Composition And Information On Ingredients

Name	Cas #	Ec No.	% By Weight	UK WEL	EEC Classification
Bentonite	1302-78-9	215-108-5	90-100	10 mg/m3	Not applicable
Quartz, Crystalline Silica	14808-60-7	238-878-4	1-6	0.1 mg/m3	Not applicable
Crystalline silica, cristobalite	14464-46-1	238-455-4	0-1	0.1 mg/m3	Not applicable
Crystalline silica, tridymite	15468-32-3	239-487-1	0-1	0.1 mg/m3	Not applicable

Composition:

Composition Comments This Material Is A Naturally Occurring Mineral. The Data Shown Is In Accordance With The Latest Ec Directives. This Product Contains A Small Quantity Of Quartz, Crystalline Silica. Prolonged And Repeated Exposure To Concentrations Of Crystalline Silica Exceeding The Workplace Exposure Limit (WEL) May Lead To Chronic Lung Disease Such As Silicosis. Because Of Quantity And Composition, The Health Hazard Is Small.

DISCLAIMER:

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Section3: Hazards Identification**Potential Health Effects:**

Hazardous In Case Of Eye Contact (Irritant), Of Inhalation. Slightly
Hazardous In Case Of Skin Contact (Irritant), Of Ingestion.

- Hazardous In Case Of Inhalation.
- Skin: Potential Irritant.
- Eye: Potential Irritant.
- Inhalation: Irritation To Lungs, Nose, And Throat

1 Health Hazard**0** Flammability**0** Reactivity

Silica, crystalline, quartz

14808-60-7

IARC: Listed

OSHA: Listed

NTP: Listed

Section 4 : Emergency First Aid Procedures

Eyes:	Flush With Water
Skin:	Wash with soap and water. Get medical attention if irritation persists.
Ingestion:	Drink a couple of glasses of water or milk. Under normal conditions, first aid procedures are not required.
If Inhaled And Effects Occur, Move To Fresh Air. If Breathing Is Irregular Administer Oxygen. Get medical attention if respiratory irritation develops or if breathing becomes difficult.	

Section 5: Fire And Explosion Data

Flammability Of The Product:	Non-Flammable.
Auto-Ignition Temperature:	Not Applicable.
Flash Points:	Not Applicable.
Flammable Limits:	Not Applicable.
Products Of Combustion:	Not Available.
Fire Hazards In Presence Of Various Substances:	Not Applicable.
Fire Fighting Media And Instructions:	Not Applicable.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures	Use appropriate protective equipment. Avoid creating and breathing dust.
Environmental Precautionary Measures	None known
Procedure for Cleaning / Absorption	Collect using dustless method and hold for appropriate disposal

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Section 7: HANDLING AND STORAGE**Handling Precautions**

Avoid handling causing generation of dust. Wear full protective clothing for prolonged exposure and/or high concentrations. Eye wash and emergency shower must be available at the work place. Provide good ventilation. Wear a NIOSH certified, European Standard En 149, or equivalent respirator when using this product. Material is slippery when wet.

STORAGE PRECAUTIONS:

Store at moderate temperatures in dry, well ventilated area. Close container when not in use. Keep in original container.

Section 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS: Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to reduce air contamination and keep worker exposure below the applicable limits.

VENTILATION: Supply natural or mechanical ventilation adequate to exhaust airborne product and keep exposures below the applicable limits.

RESPIRATORS: Use at least a NIOSH-approved N95 half-mask disposable or reuseable particulate respirator. In work environments containing oil mist/aerosol use at least a NIOSH-approved P95 half-mask disposable or reusable particulate respirator.

For exposures exceeding 10 x PEL use a NIOSH-approved N100 Particulate Respirator.

PROTECTIVE GLOVES: Use suitable protective gloves if risk of skin contact.

EYE PROTECTION: Wear dust resistant safety goggles where there is danger of eye contact.

PROTECTIVE CLOTHING: Wear appropriate clothing to prevent repeated or prolonged skin contact.

Composition Comments This Material Is A Naturally Occurring Mineral. The Data Shown Is In Accordance With The Latest Ec Directives. This Product Contains A Small Quantity Of Quartz, Crystalline Silica. Prolonged And Repeated Exposure To Concentrations Of Crystalline Silica Exceeding The Workplace Exposure Limit (WEL) May Lead To Chronic Lung Disease Such As Silicosis. Because Of Quantity And Composition, The Health Hazard Is Small. OSHA PELs for Mineral Dusts containing crystalline silica are 10 mg/m³ / (%SiO₂+2) for quartz and 1/2 the calculated quartz value for cristobalite and tridymite.

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Section 9 :PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F) Not Applicable Specific Gravity (H₂O = 1) 2.6 Vapor Pressure (Mm Hg) Not Applicable Vapor Density (Air = 1) Not Applicable Evaporation Rate Not Applicable	Solubility In Water Negligible Appearance And Odor Yellow, Green, White, Brown Granules Or Powder. Earthy Odor. Density @ 20° C: Uncompacted: 50-60 lb/ft ³ --800-900 kg/m ³
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Section 10 : STABILITY AND REACTIVITY

STABILITY	Normally stable.
CONDITIONS TO AVOID	N/A.
HAZARDOUS POLYMERIZATION	Will not polymerize.
POLYMERIZATION DESCRIPTION	Not relevant.
MATERIALS TO AVOID	N/A
HAZARDOUS DECOMPOSITION PRODUCTS	No specific hazardous decomposition products noted.

Section 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No toxicological data is available for this product.

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Section 12 : ECOLOGICAL INFORMATION

Ecotoxicity: This material is not expected to be harmful for the aquatic life

Section 13 : DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT:

This product does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the Responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc, may render the resulting materials hazardous.

Section 14 : TRANSPORT INFORMATION

U.S. DOT: U.S. DOT CLASS	Not regulated.
CANADIAN TRANSPORT: TDGR CLASS	Not regulated.
SEA TRANSPORT: IMDG CLASS	Not regulated.
AIR TRANSPORT: ICAO CLASS IATA:	Not regulated. Not regulated

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Section 15 : REGULATORY INFORMATION

REGULATORY STATUS OF INGREDIENTS:

NAME:	CAS No:	TSCA:	CERCLA:	SARA 302:	SARA 313:	DSL(CAN):
Bentonite	1302-78-9	Yes	No	No	No	Yes
Silica, crystalline, quartz	14808-60-7	Yes	No	No	No	Yes
Silica, crystalline, cristobalite	14464-46-1	Yes	No	No	No	Yes
Silica, crystalline, tridymite	15468-32-3	Yes	No	No	No	Yes

US FEDERAL REGULATIONS
WASTE CLASSIFICATION:

REGULATORY STATUS

STATE REGULATIONS:
STATE REGULATORY STATUS:

Not a hazardous waste by U.S. RCRA criteria. See Section 13.

This Product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented):

SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

SARA 311 Categories:

- 1: Immediate (Acute) Health Effects.
2. Delayed (Chronic) Health Effects.

The components of this product are listed on or are exempt from the following international chemical registries:

TSCA (U.S.)
EINECS (Europe)
DSL (Canada)

This product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented): None

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REGULATORY STATUS:	This Material Safety Data Sheet has been prepared in compliance with the Controlled Product egulations. Canadian WHMIS Classification: D2A - Other Toxic Effects: Very Toxic Material
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Section 16 : OTHER INFORMATION

HMIS Ratings:	Health: -----* 1 Flammability: -----0 Physical Hazard:-----0 Personal Protection: -----E E - Safety Glasses, Gloves, Dust Respirator
NFPA Ratings:	Health: -----0 Flammability: -----0 Instability:-----0 N/A = Not applicable N/D = Not determined

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