

MATERIAL SAFETY DATA SHEET

Revision Date: 01/2008

Section 1: Product and Company Identification

Product Name: THICKENING AGENT

Company: POLYGEM INC.
PO Box 609
West Chicago, Illinois 60185

Telephone: 630-231-5600
630-231-5604 (Fax Line)

Emergency Telephone Number: 1-800-535-5053 USA
01-352-323-3444 International

Section 2: Composition / Information on Ingredients

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200). Unlisted ingredients are not "hazardous" per the OSHA standard.

Chemical Name	CAS #	OSHA PEL*	ACGIH TLV*	WT%
Alkyl Quaternary Ammonium Bentonite	Proprietary	N/E	N/E	

* N/E - Not Established

*ALL INGREDIENTS ARE REGISTERED ON TSCA.

*Unless otherwise noted, all PEL and TLV Values are reported as 8 hour time weighted averages (TWA)

Section 3: Hazards Identifications

Emergency Overview: Mild or moderate eye irritation.
May cause skin irritation.
Harmful if swallowed.

HMIS RATING: HEALTH-1, FLAMMABILITY-1, REACTIVITY-1
See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

Potential Health Effects

Eye contact:	Mild or moderate irritation, possible minor temporary cornea injury.
Skin contact:	May cause skin irritation on prolonged or repeated exposure.
Skin absorption:	Not considered toxic.
Inhalation:	May cause nasal irritation, central nervous system depression or lung injury.
Chronic effects of over exposure:	None

Section 4: First Aid Measures

EMERGENCY & FIRST AID PROCEDURES:

Eyes: Flush with plenty of water and get medical attention. Keep eye lids apart. Wash within 1 minute of contact for maximum results.

Section 4: First Aid Measures (continued)

Skin:	Promptly wipe clean with paper or cloths and wash with soap and water. Remove contaminated clothing before reuse. Attention should be paid to hair, nose and eyes.
Inhalation:	In case of exposure to high concentration of vapor or mist, remove person to fresh air.
Ingestion:	If large amounts are swallowed, induce vomiting. Seek medical attention. May cause burns to mouth and throat.
Primary routes of entry:	Inhalation, Ingestion, skin and eye contact.
Carcinogenicity:	This product does not contain 0.1% or more of any substance which is listed as a carcinogen by NTP, IARC or OSHA.

Section 5: Fire Fighting Measures

Flash Point:	Not Applicable
Lower Flammability Limit:	Undetermined for this product.
Upper Flammable Limit:	Not Applicable
Recommended Extinguishing Media:	Foam, water spray, dry chemical, CO2
Special Fire Fighting Procedures:	Normal precautions for organic dusts should be provided. Avoid high dust concentrations and ensure all equipment is properly grounded to prevent static discharges.
Thin-Film Ignition Temperature:	Dust clouds and thin dust films may ignite at high temperatures. The temperature is undetermined for this product.

Section 6: Accidental Release Measures

Special Protection:	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred.
Steps to be taken in case of material is released or spilled:	Ventilate the area. Absorb spill with suitable absorbent material and place into a closed container. Prevent material from entering waterways. Wear protective equipment during cleanup. Use eye and skin protection.
Transport Emergency Phone Number:	(INFOTRAC) 1-800-535-5053

Section 7: Handling and Storage

Handling:	Harmful or irritation material. Avoid contact and avoid breathing the material Use only in a well ventilated area.
Storage:	Store in a cool, dry place.

Section 8: Special Protection Information

Respiratory Protection:	If vapor or mist is generated and the occupational exposure limit is exceeded, use appropriate NIOSH/MSHA approved self-contained breathing equipment or a full face respirator. Respirators should be selected by and used following requirements found in OSHA's respirator standards (29 CFR 1910134). Not required for properly ventilation area.
Ventilation:	Local exhaust and general ventilation is recommended.

Section 8: Special Protection Information (continued)

Hand Protection:	Nitrile Rubbers gloves.
Eye Protection:	Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material; Have an eye wash station available.
Skin and Body Protection:	Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt. An apron may be appropriate if splashing can occur.

Section 9: Physical and Chemical Properties

Physical state:	Powder
Color:	off white
Odor:	none
Weight by gallon:	1 lb.
Solids (% by weight)	100
V.O.C.	0 g/L
Boiling range:	Not applicable
Melting point:	Decomposes at approx. 200 C
Vapor density (air=1):	Not applicable
Vapor pressure (mm Hg):	Not applicable
Evaporation rate:	1.5 - 1.7
Water miscibility:	negligible

Section 10: Physical and Chemical Properties

Stability:	This material is stable under normal storage and handling conditions.
Incompatibility:	Avoid contact with strong oxidizers or acids.
Hazardous polymerization:	Not Applicable
Conditions to avoid:	Heat and open flames

Section 11: Toxicological Information

<u>Chemical Name</u>	<u>LD50/LC50</u>
Alkyl Quaternary Ammonium Bentonite	Not established

Section 12: Ecological Information

Overview:	No ecological information available.
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Section 13: Disposal Considerations

To the best of our knowledge, this product does not meet the definition of hazardous waste under U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended. Consult state, local or provincial authorities for more restrictive requirements.

Section 14: Transport Information

Consult Bill of Lading for transportation information

DOT: Not Regulated

IATA: Not Regulated

Section 15: Regulatory Information

OSHA Hazard Communication Standard (29 CFR 1910.1200) Hazard Class(es): N/A

SARA Hazard Classification: SARA Title III Regulations (40 CFR 370): N/A

SARA Section 313 Listed Ingredients: This material does not contain any substance which is subject to the reporting requirements of 40 CFR 372.

DOT Proper Shipping Name: none known

UN Number: n/a

Section 16: Other Information

HMIS Rating:

Health:	1
Flammability:	1
Reactivity:	1

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