

MATERIAL SAFETY DATA SHEET (MSDS)

ANGEL HAIR GB (Seal-Tite Sealant)

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Madisonville, Louisiana USA 70447
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Seal-Tite
International
Engineered Sealing Solutions

Seal-Tite Sealant

STI MSDS Number 017

Angel Hair GB

Revision Date: November 5, 2007

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Seal-Tite International
500 Deer Cross Drive
Madisonville, LA 70447

Contact: Vic Groomer
Emergency Number: (888) 674-3385
Office Number: (985) 875-1292
FAX Number: (985) 875-0687
E-Mail: msds@seal-tite.com
Website: www.seal-tite.com

Tradename: Angel Hair GB
Product Identifier: Angel Hair GB
General Use: Downhole oil and gas apps
Chemical Family: Silica

Section 2: COMPOSITION / INFORMATION ON INGREDIENTS

Component	Percent Contained	CAS Number	OSHA PEL	ACGIH TLV
Soda Lime Borosilicate Glass	97-100	65997-17-3	None Established	None Established
Amorphous Silica	<3	7631-86-9	None Established	None Established

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limits. "N/E" indicates that no exposure limit has been established. "N/A" indicates Not Applicable

Material is not known to contain Toxic Chemicals under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Section 3: HAZARD IDENTIFICATION

Appearance, form, odor: White, odorless fine powder <200 microns

Target Organ: Skin, Lungs, Intestinal

Inhalation: May include cough, sneezing, nasal discharge, headache, hoarseness and nose and throat pain.

Skin Contact:	May include abrasion, redness ,pain and itching
Eye Contact:	May include irritation.
Ingestion:	May include abdominal pain, nausea, diarrhea and vomiting

SECTION 4: FIRST AID MEASURES

Inhalation:	Remove person to fresh air. If symptoms persist, get medical attention
Skin Contact:	Wash skin with warm soapy water. If irritation persists, get medical attention.
Eye Contact:	Flush eye with clean water for at least 20 minutes while gently holding eyelids open. Seek medical attention if irritation persists.
Ingestion:	DO NOT induce vomiting. Give victim 2 glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media:	Non-combustible. Choose material suitable for surrounding fire. Material will not burn.				
Flash Point (F):	N/A	Method:	N/A		
Explosive limits in air (percent):	---	Lower:	N/A	Upper:	N/A
Special Fire Fighting Procedures:	Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).				
Unusual Fire and Explosion Hazards:	No unusual fire or explosion hazards are anticipated.				
"N/A" = Not applicable					

SECTION 6: ACCIDENTAL RELEASE MEASURES

Observe precautions from other sections. Ventilate the area with fresh air. Collect as much of the spilled material as possible. Use wet sweeping compound or water to avoid dusting. Sweep up. Clean up residue. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

SECTION 7: HANDLING AND STORAGE

Handling Precautions:	Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. For industrial or professional use only.
Storage Requirements:	Store away from oxidizing agents..

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Conduct air monitoring to determine adequacy of ventilation. Use with appropriate local exhaust ventilation.

Personal Protective Equipment:

Respiratory Protection

Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations.

Eye Protection

Avoid eye contact. Safety glasses with side shields are recommended.

Skin Protection

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials. Gloves made from neoprene and nitrile rubber are recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White, fine powder	Physical State:	Solid
Odor:	Odorless	PH (5% solution):	N/A
Vapor Pressure:	N/A	Evaporation Rate:	N/A
Vapor Density:	N/A	Specific Gravity:	0.12-0.63
Boiling Point:	N/A	Melting Point:	N/A
Solubility:	Slightly soluble in water	Heat Value:	N/A
VOC:	N/A	Bulk Density:	N/A
Octanol:	N/A	Molecular Weight:	N/A
Particle Size:	N/A	Softening Point:	N/A
Viscosity:	N/A	Percent Volatile:	<0.5 %

N/D = not determined

SECTION 10: STABILITY AND REACTIVITY

Stability:	This material is chemically stable.
Conditions to Avoid:	None known
Materials to Avoid:	None known
Hazardous Decomposition Products:	Hazardous decomposition is not known or specified.
Hazardous Polymerization:	Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Not applicable	This product does not contain any ingredients defined as toxic or carcinogenic by IARC, NTP, OSHA, or the ACGIH.
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SECTION 12: ECOLOGICAL INFORMATION

This product is inorganic. Inorganic materials do not biodegrade, but may be removed by other mechanisms. This product is likely to have insignificant toxicity to aquatic organisms because of its stability, high molecular weight and insolubility in water. This product is likely to have insignificant toxicity to wastewater treatment system organisms because of its stability, high molecular weight and insolubility in water.

SECTION 13: DISPOSAL CONSIDERATIONS

Consult local, state, and federal regulatory agencies for acceptable disposal procedures and locations. Disposal in streams and sewers may be prohibited by federal, state, and local regulations. Incineration is the preferred method.

Reclaim if feasible. For quantities < 100 lbs. (50kg), dispose of waste product in a sanitary landfill. For larger quantities, dispose of waste product in a facility permitted to accept chemical waste.

SECTION 14: TRANSPORT INFORMATION

Regulatory Information: DOT

UN Number: Non-regulated **Schedule "B" Export Code:** 5402490010

Proper Shipping Name: Not applicable

Packing Group: Not applicable

Other Information: Not applicable

SECTION 15: REGULATORY INFORMATION

This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

This product does not contain any hazardous ingredients at or above regulated thresholds. This product is an article as defined by TSCA regulations and is exempt from TSCA inventory listing requirements.

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS) ratings:

HEALTH HAZARD	FIRE HAZARD	REACTIVITY HAZARD	SPECIAL HAZARDS
1	0	0	0

Containers should be either reconditioned by CERTIFIED firms or properly disposed of by APPROVED firms. Disposal of containers should be in accordance with applicable laws and regulations. EMPTY drums should not be given to individuals. Serious accidents have resulted from the misuse of EMPTY containers such as drums.

DISCLAIMER: The information contained herein is based upon data available to us and reflects our best professional judgment. Since it is impossible to anticipate the conditions under which our products may be used, we cannot guarantee that the recommendations will be adequate for all individuals and situations. Each user of this product should determine the suitability of the product for his particular purpose and should comply with all environmental regulations. Our goal is to manufacture products with zero or minimum hazards. Our products are improved daily as up to date information and research is received from our suppliers to use products with little or no hazards. Please feel free to contact us for current information.