

MATERIAL SAFETY DATA SHEET (MSDS)

GEL-SEAL (S) (Seal-Tite Sealant)

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Seal-Tite
International
Engineered Sealing Solutions

Seal-Tite Sealant

STI MSDS Number 016

Gel-Seal (S)

Revision Date: January 14, 2011

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Trade name: Gel-Seal (S)
Product Identifier: Gel-Seal (S)
General Use: Sealant
Chemical Family: Mineral Oil

Contact: Vic Groomer
Emergency Number: (888) 674-3385
Office Number: (985) 875-1292
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Section 2: COMPOSITION / INFORMATION ON INGREDIENTS

Component	Percent Contained	CAS Number	OSHA PEL	ACGIH TLV
White Mineral Oil	85-95	8042-47-5	5 mg/M3 (for oil mist)	5 mg/M3 (for oil mist)

"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: Clear yellow liquid with hydrogen odor.

Route of Entry: Inhalation, Ingestion, Skin Absorption

Target Organ: No known chronic effects

Inhalation:	Not normally an inhalation hazard unless atomized. If product is inhaled, obtain medical attention. Oxygen may be given by qualified personnel if breathing is difficult or cyanosis (blue discoloration of the skin) is noted. Give artificial respiration if not breathing. Remove to fresh air if aerosol spray is inhaled. Aspiration may cause pulmonary edema or aspiration pneumonia. Exposed persons should be kept under medical observation for at least 48 hours because delayed effects may occur.
Skin Contact:	Repeated and prolonged contact may cause dermatitis.
Eye Contact:	No emergency care anticipated.
Ingestion:	Not harmful if swallowed.
Chronic Effects:	No known chronic effects.

SECTION 4: FIRST AID MEASURES

Inhalation:	Rescuers should don appropriate protective gear. Remove from area of exposure and move victim to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, perform artificial respiration. If irritation occurs, seek medical attention.
Skin Contact:	Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove all contaminated clothing and wash before reuse. Get medical attention if irritation persists.
Eye Contact:	Flush eye with clean water for at least 15 minutes while gently holding eyelids open. Seek medical attention if irritation persists.
Ingestion:	If swallowed, DO NOT induce vomiting. Treat symptomatically. Not expected to be toxic by ingestion. Inhalation of vomited material may result in chemical pneumonia. Never give anything by mouth to an unconscious person.

Medical conditions that may become aggravated by exposure: Respiratory or skin conditions.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Utilize Dry Chemical, Alcohol Foam or CO₂. Product is a combustible material, floats on water and can be reignited on surface.

Auto Ignition Temperature: 500° F

Flash Point (F):	245°	Method:	TCC
Explosive limits in air (percent):	---	Lower:	N/D
		Upper:	N/D

Unusual Fire and Explosion Hazards: This product is not expected to present any unusual hazards.

Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; as they may explode and cause injury or death.

As in any fire, wear a pressure demand MSHA / NIOSH approved self-contained breathing apparatus (SCBA), and full protective bunker gear. For large fires, apply foam according to manufacturer's specifications. For small fires, utilize carbon dioxide or dry chemical extinguishers.

Containers may explode from internal pressure if exposed to high heat such as a fire. Keep containers cool by applying water spray but do not utilize straight streams of water on fire. Keep non-essential personnel away.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill control: Ventilate area. Avoid breathing vapors. Remove any ignition sources. Avoid eye and skin contact. Wipe, scrape with non-sparking tools, or soak up in inert material such as dry sand or earth, and put in an approved chemical waste container for disposal.

Containment: Dike with sawdust or other absorbent in an approved chemical waste container.

Cleanup: Avoid and prevent runoff into storm drains and ditches. Spilled materials should be contained and disposed of in accordance with local and federal statutes. Spilled material is extremely slippery and may cause a slip hazard during cleanup.

SECTION 7: HANDLING AND STORAGE

Handling Precautions: Keep container closed when not in use. Use only in a well ventilated area. Follow all MSDS / label precautions even after container is empty. Ground and bond containers during transfers of material.

Storage Requirements: Store in a cool, dry, well-ventilated place away from potential physical damage, ignition sources, and incompatible materials such as oxidizers and strong acids.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Utilize local exhaust ventilation to maintain concentrations in air below 5 mg/M³.

Personal Protective Equipment:

Respiratory Protection

Not required if local exhaust is adequate. For locations where ventilation may be inadequate and temperatures of product is less than 750° F and established exposure limits are not exceeded by more than a factor of ten, trained users should utilize proper NIOSH / MSHA (or equivalent) approved air purifying respirators equipped with organic vapor / acid gas cartridges equipped with P-100 pre-filters. For use at temperatures above 750° F where hydrogen fluoride may be generated, positive pressure supplied air respiratory protection is required. All respiratory protection should be used in accordance with 29 CFR, OSHA 1910.134 Respiratory Protection.

Eye Protection

Avoid contact with eyes. For liquid splash protection utilize chemical goggles, or a full face splash shield. If fine aerosolized mist is present, utilize a full-face respirator.

Skin Protection

Wear protective clothing such as gloves, apron, or whole body suit made of Neoprene, as appropriate to avoid skin contact with liquid dispersion and with condensate in oven or exhaust system. If there is potential contact with hot/molten material, wear heat resistant clothing and footwear.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear yellow liquid	Physical State:	Liquid
Odor:	Hydrocarbon odor	PH (5% solution):	N/D
Vapor Pressure:	N/D	Evaporation Rate:	>butyl acetate
Vapor Density:	>1	Specific Gravity:	0.8-1.1
Boiling Point:	180-225° F	Melting Point:	N/D
Solubility:	Insoluble in water	Heat Value:	N/D

'N/D' = not determined

SECTION 10: STABILITY AND REACTIVITY

Stability: This material is chemically stable.

Conditions to Avoid: Heat

Materials to Avoid: Strong oxidizing agents

Hazardous Decomposition Products: Incomplete combustion products may yield oxides of carbon, and hydrocarbons.

Hazardous Polymerization: Hazardous polymerization is not anticipated.

SECTION 11: TOXICOLOGICAL INFORMATION

This product does not contain any hazardous ingredients at or above regulated thresholds. The product is not regulated under Section 302 of SARA and 40 CFR Part 355.

None of the components present in this material at concentrations equal to or greater than 0.1% are listed with/by IARC (International Agency for Research on Cancer), NTP (National Toxicology Program), OSHA (Occupational Safety and Health Administration), or ACGIH (American Conference of Governmental Industrial Hygienists) as a carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

Personnel with the proper personal protective equipment should dike and contain spill. Absorb with sawdust, sand, oil dry, or other absorbent material. Shovel or sweep up and place in waste container and dispose of in accordance with applicable regulations. Avoid runoff into storm sewers and ditches. Spilled material should be contained and disposed of properly. Product will be extremely slippery when spilled.

SECTION 13: DISPOSAL CONSIDERATIONS

Consult local and federal regulatory agencies for acceptable disposal procedures and disposal locations. Disposal in streams or sewers may be prohibited by federal, state, and local regulations.

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 EMPTIED containers (drums, pails, etc.).

SECTION 14: TRANSPORT INFORMATION

Regulatory Information: DOT

UN Number: Non-regulated **Schedule "B" Export Code:** 2710194540

Proper Shipping Name: Not applicable **Packing Group:** Not applicable

Other Information: Not applicable **Class:** 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.

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS) ratings:

HEALTH HAZARD	FIRE HAZARD	REACTIVITY HAZARD	SPECIAL HAZARDS
0	1	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.