

# MATERIAL SAFETY DATA SHEET (MSDS)

## MINERAL SEAL OIL (Seal-Tite Sealant)

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Seal-Tite  
International  
Engineered Sealing Solutions

## Seal-Tite Sealant

STI MSDS Number 018

## MINERAL SEAL OIL

Revision Date: November 5, 2007

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Manufacturer:</b>	Crompton Corporation 199 Benson Road Middlebury, CT 06749	<b>Tradename:</b>	Mineral Seal Oil
<b>Contact:</b>	Vic Groomer	<b>Product Identifier:</b>	Mineral Seal Oil
<b>Emergency Number:</b>	(888) 674-3385	<b>General Use:</b>	Sealant
<b>Office Number:</b>	(985) 875-1292	<b>Chemical Family:</b>	Mineral Oil
<b>FAX Number:</b>	(985) 875-0687		
<b>E-Mail:</b>	<a href="mailto:msds@seal-tite.com">msds@seal-tite.com</a>		
<b>Website:</b>	<a href="http://www.seal-tite.com">www.seal-tite.com</a>		

### Section 2: COMPOSITION / INFORMATION ON INGREDIENTS

Component	Percent Contained	CAS Number	OSHA PEL	ACGIH TLV
White Mineral Oil	100	8042-47-5	N/A	N/A
Vitamin E		590-02-9	5.0-10.0 ppm	5.0-10.0 ppm

"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:** Water-white liquid with no odor.

**Route of Entry:** Inhalation, Ingestion, Skin Absorption

<b>Target Organ:</b>	No known chronic effects
<b>Inhalation:</b>	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.
<b>Skin Contact:</b>	Not harmful if exposed.
<b>Eye Contact:</b>	No emergency care anticipated.
<b>Ingestion:</b>	Not harmful if swallowed.
<b>Chronic Effects:</b>	No known chronic effects.

## SECTION 4: FIRST AID MEASURES

<b>Inhalation:</b>	Obtain medical attention. Oxygen may be given by qualified personnel if breathing is difficult or cyanosis (blue discoloration of 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.
<b>Skin Contact:</b>	No emergency care anticipated. 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.
<b>Eye Contact:</b>	No emergency care anticipated. Flush eye with clean water for at least 15 minutes while gently holding eyelids open. Seek medical attention if irritation persists.
<b>Ingestion:</b>	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:** Treat as an oil fire with CO<sub>2</sub>, dry powder, foam, water fog or alcohol/universal type foam.

**Auto Ignition Temperature:** 500° F

<b>Flash Point (F):</b>	248° F	<b>Method:</b>	COP
<b>Explosive limits in air (percent):</b>	---	<b>Lower:</b>	N/D
		<b>Upper:</b>	N/D

**Unusual Fire and Explosion Hazards:** This product is not expected to present any unusual hazards. Oil will float on water and can spread any fire.

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. Wear protective clothing when taking up spill. Eliminate sources of ignition

**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. This product is insoluble in water and will float on the surface.

## 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. Never use pressure to empty drums. 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. Keep away from strong oxidizing agents.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** Local ventilation is needed in the presence of airborne mists..

### Personal Protective Equipment:

#### Respiratory Protection

If vapor and/or mist is generated by heating, spraying, etc., wear an organic vapor respirator with a mist filter. No special respiratory protection is normally required.

#### 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 long sleeves to minimize skin contact. Remove contaminated clothing and clean it. Wear oil resistant gloves.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Water-white liquid

**Physical State:** Liquid

<b>Odor:</b>	No odor	<b>PH (5% solution):</b>	N/D
<b>Vapor Pressure:</b>	<0.008hPa (0.01 mmHg)	<b>Evaporation Rate:</b>	>butyl acetate
<b>Vapor Density:</b>	>1	<b>Specific Gravity:</b>	<1
<b>Boiling Point:</b>	>230° C	<b>Melting Point:</b>	N/D
<b>Solubility:</b>	Insoluble in water	<b>Partitioning coefficient:</b>	log POW:>6 Soluble in oil

'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, sunlight or ultraviolet light, heat or high temperature

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

**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

This product is stable in water, and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant. White mineral oil will be inherently biodegradable in water under aerobic conditions, and will be ultimately biodegrades by micro-organisms (although the biodegradability of White Mineral Oil will necessarily be limited by its low solubility in water).

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

**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.