

MATERIAL SAFETY DATA SHEET (MSDS)

TUR-FLO SS (Stem-Seal) (Seal-Tite Sealant)

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Seal-Tite Sealant

STI MSDS Number 021

Tur-Flo SS (Stem-Seal)

Revision Date: November 5, 2007

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Tradename: Tur-Flo SS
Product Identifier: Tur-Flo SS
General Use: Viscosifying Agent
Chemical Family: Blend

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Section 2: COMPOSITION / INFORMATION ON INGREDIENTS

Component	Percent Contained	CAS Number	OSHA PEL	ACGIH TLV
Mineral Oil and Zinc compound	10-15	N/A	5 mg/M3 for oil mist	5 mg/M3 for oil mist
Zinc compound	1-3	N/A	N/A	N/A
Propylene carbonate	1-5	N/A	N/A	N/A

"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: Blue liquid with mild petroleum odor.

Route of Entry: Inhalation, Ingestion, Skin Absorption

Target Organ: No known chronic effects.

Inhalation: May cause dizziness, headache, nausea and pulmonary irritation.

Skin Contact: Prolonged or repeated contact may cause irritation.

Eye Contact: Prolonged or repeated contact may cause irritation.

Ingestion: Possible irritation, nausea, or diarrhea may occur if ingested. Aspiration hazard if vomited.

SECTION 4: FIRST AID MEASURES

Inhalation: 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 and get medical attention. Remove all contaminated clothing. If irritation occurs, seek medical attention.

Eye Contact: Flush eye with clean water for at least 15 minutes while gently holding eyelids open. Seek medical attention immediately after flushing.

Ingestion: Consult a physician immediately. DO NOT induce vomiting. If patient is conscious, give large quantities of water or milk. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Medical conditions aggravated by exposure:
Any respiratory or skin condition.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: CO₂, Dry Chemical, Foam and/or water fog. Do not use a direct stream of water on fire as product may be spread. Product floats on water and can be reignited on surface.

Flash Point (F):	520° F	Method:	CDC
Explosive limits in air (percent):	---	Lower:	N/D
		Upper:	N/D

If exposed to a heat source, closed containers can build pressure leading to a sudden release. 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. Keep containers cool by applying water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill control: Ventilate area. Avoid breathing vapors. Remove any ignition sources. Avoid eye and skin contact.

Containment: Wipe, scrape with non-sparking tools, or soak up inert material such as dry sand or earth, and put in an approved chemical waste container for disposal.

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.

SECTION 7: HANDLING AND STORAGE

Handling Precautions: Keep container closed when not in use.

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: Provide exhaust ventilation to maintain concentrations in air below 5 mg/M3.

Personal Protective Equipment:

Respiratory Protection

For locations where levels may exceed established exposure limits by no more than a factor of ten, trained users should utilize proper NIOSH / MSHA (or equivalent) approved air purifying respirators equipped with organic vapor cartridges with mist pre-filters. For concentrations higher than the protection capabilities of air purifying respirators, supplied air respiratory protection is required. All respiratory protection should be used in accordance with 29 CFR, OSHA 1910.134 Respiratory Protection. In events involving unknown concentrations, or an uncontrolled release, utilize a positive pressure SCBA.

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 appropriate chemical resistant clothing, rubber boots, and gloves made of nitrile or neoprene.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue liquid	Physical State:	Liquid
Odor:	Mild petroleum odor	PH (5% solution):	N/D
Vapor Pressure:	N/D	Evaporation Rate:	N/D
Vapor Density:	>5	Specific Gravity:	1.025
Boiling Point:	N/D	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 can yield oxides of carbon, sulfur, and zinc and various hydrocarbons.

Hazardous Polymerization: Hazardous polymerization is not anticipated.

SECTION 11: TOXICOLOGICAL INFORMATION

Not applicable

SECTION 12: ECOLOGICAL INFORMATION

Not applicable

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.

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

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
1	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.