

MATERIAL SAFETY DATA SHEET (MSDS)

SEAL BREAKER (Seal-Tite Solvent)

500 Deer Cross Drive
Madisonville, Louisiana USA 70447
(985) 875-1292 • (985) 875-0687 Fax
msds@seal-tite.com • www.seal-tite.com



Seal-Tite
International
Engineered Sealing Solutions

Seal-Tite Sealant

STI MSDS Number 019

Seal Breaker

Revision Date: January 14, 2011

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Tradename: Seal Breaker
Product Identifier: Seal Breaker
General Use: Solvent
Chemical Family: Solvent

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

Section 2: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	HEALTH (class)	RISK (R No.)
Trichloroethylene	79-01-6	Xn	40, 52/53
Dichloromethane	75-09-2	Xn	40
Halogenated Hydrocarbon	N/A	N	52/53, 59

Section 3: HAZARD IDENTIFICATION

Appearance, form, odor: Colorless liquid with aromatic pleasant odor.

Route of Entry: Inhalation, Ingestion, Skin Absorption

Target Organ: Respiratory system, skin, eyes

Inhalation:	May cause irritation of upper respiratory passages, with coughing and discomfort.
Skin Contact:	May cause irritation with discomfort or rash. Evidence suggests that skin permeation can occur in amounts capable of producing the effects of systemic toxicity.
Eye Contact:	May cause irritation with discomfort, tearing, or blurring of vision.
Ingestion:	Ingestion may cause gastrointestinal tract irritation; abnormal blood forming systems as detected by laboratory tests; or abnormal blood forming system with anemia.
Chronic Effects:	This compound is absorbed by the body and may be detected in the bloodstream following ingestion, inhalation, or skin contact. Animal and human experience indicate that this compound has a half-life in the blood, and may be detected years after exposure. Possible risk of irreversible effects. Carcinogen Category 3.

SECTION 4: FIRST AID MEASURES

Inhalation:	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Keep the affected person warm and at rest. Get prompt medical attention.
Skin Contact:	Immediately flush skin with plenty of soap or mild detergent and water for at least 15 minutes. Remove all contaminated clothing and wash before reuse. If molten material contacts skin, cool rapidly with cold water. Get medical attention if
Eye Contact:	Flush eye with clean water for at least 15 minutes while gently holding eyelids open. Seek medical attention if irritation persists.
Ingestion:	Immediately have victim drink 2 glasses of water and induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Utilize Water, Foam, Dry Chemical, CO₂, dry chemicals, sand, dolomite, etc.

Auto Ignition Temperature: N/A

Flash Point (F): will not flash **Method:** ASTM D 1929
Explosive limits in air (percent): --- **Lower:** N/D **Upper:** N/D

Special Fire Fighting Procedures: Keep run-off water out of sewers and water sources. Dike for water control. Cool containers exposed to flames with water until well after the fire is out. Stay away from the ends of tanks. If risk of water pollution occurs, notify appropriate authorities.

Unusual Fire and Explosion Hazards: May develop highly toxic or corrosive fumes if heated. May form explosive or toxic mixtures with air.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill control: Avoid eye and skin contact. Soak up in saw dust, sand, oil dry or other absorbent material. Wear appropriate personal protective equipment.

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

Cleanup: Ventilate well. Avoid and prevent runoff into storm drains and ditches. Spilled materials should be contained and disposed of in accordance with local and federal statutes. Remove ignition sources.

SECTION 7: HANDLING AND STORAGE

Handling Precautions: Keep container closed when not in use. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapors. Wear full protective clothing for prolonged exposure and/or high concentrations.

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.

Personal Protective Equipment:

Respiratory Protection

Supplied-Air respirator. Self-contained breathing apparatus. 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.

Skin Protection

Wear protective clothing such as gloves, apron, or whole body suit made of Polyvinyl alcohol, as appropriate to avoid skin contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless	Physical State:	Liquid
Odor:	Aromatic, pleasant	PH (5% solution):	N/D
Vapor Pressure:	N/D	Evaporation Rate:	N/D
Vapor Density:	>5	Specific Gravity:	1.0
Boiling Point:	N/D	Melting Point:	N/D
Solubility:	Slightly soluble in water	Heat Value:	N/D
Percent Volatiles:	33-42 (water)		

'N/D' = not determined

SECTION 10: STABILITY AND REACTIVITY

Stability: This material is chemically stable.

Conditions to Avoid: N/A

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Toxic gases, vapors, fumes of: Carbon monoxide, hydrogen chloride, phosgene, carbon dioxide

Hazardous Polymerization: Hazardous polymerization is not anticipated.

SECTION 11: TOXICOLOGICAL INFORMATION

Health Warnings: Narcotic effect. Known or suspected carcinogen for humans. Central nervous system depressant. Contact type erythema, oedema, papules, vesicles, bullae, crusts, desquamation. Swallowing concentrated chemical may cause severe internal injury, liver and/or kidney damage. Possible risk of irreversible effects. Carcinogen Category 3.

Route of Entry: Inhalation. Skin absorption, ingestion, skin and/or eye contact.

Target Organs: Central nervous system, eyes, heart and cardiovascular system, kidneys, liver, respiratory system, lungs, skin.

Medical Symptoms: Extreme irritation of eyes and mucous membranes, including burning and tearing, dilated pupils. Severe skin irritation, nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo, behavioral changes. Hypotension (low blood pressure).

Medical Considerations: Skin disorders and allergies, liver and/or kidney problems, convulsive disorders, central nervous system problems, history of smoking.

SECTION 12: ECOLOGICAL INFORMATION

Do not allow product to enter drains or contaminate surface water. 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.

SECTION 13: DISPOSAL CONSIDERATIONS

Wastes and empty containers are Special Waste under the Special Waste Regulations of the Environmental Protection Act. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Special Waste may be removed by a Licensed Waste Contractor using a Consignment Note.

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: 2810 **Hazard Class:** Division 6.1: Toxic Substances **HAZARD #:** 60
ADR ITEM: 25(c) **ADR Label #:** 6.1

Proper Shipping

Name: TOXIC LIQUID, ORGANIC, N.O.S. Approved Carriage List 1996
TOXIC LIQUID, ORGANIC, N.O.S. IMDG CODE 1996

Class: 6.1

SECTION 15: REGULATORY INFORMATION

Possible risk of irreversible effects. Wear suitable protective clothing and gloves.

UK REGULATORY REFERENCE – Health and Safety at Work Act, Approved Carriage List

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS) ratings:

HEALTH HAZARD	FIRE HAZARD	REACTIVITY HAZARD	SPECIAL HAZARDS
3	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.