

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME: BOILER STOP LEAK (BSL)**

<b>EMERGENCY PHONE: 1-800-424-9300</b>				<b>VII - PRECAUTIONS FOR SAFE HANDLING AND USE</b>			
May be used to comply with OSHA'S Hazard Communications Standard (HSC) 29 CFR 1910, 1200. Standard must be consulted for specific requirements. This product contains  no substances subject to SARA TITLE III and 40 CFR.				<b>HMIS SYMBOLS</b>		<b>STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED:</b> Keep all sources of ignition and hot metal surfaces away from spill/release. Stay upwind and away from spill/release. Isolate hazard area and limit entry to emergency crew only. Stop spill/release if it can be done without risk. Wear appropriate protective equipment including respiratory protection conditions warrant. Prevent spilled material from entering sewers, storm drains, and natural waterways. Dike far ahead of spill for later recovery and dispose. Spilled material may be absorbed by an appropriate absorbent. Notify fire authorities and appropriate federal, state, and local agencies. If spill/release is excess of EPA reportable quantity, immediately notify the Nation Response Center.	
				HEALTH		0	
<b>I - IDENTIFICATION</b>				<b>VIII - SPECIAL PROTECTION INFORMATION</b>			
PRODUCT NAME: <b>BSL - BOILER STOP LEAK</b>		PACKAGE TYPE: 32oz		<b>RESPIRATORY:</b> the use of respiratory protection is advised when concentrates exceed the established exposure limits. Depending on the airborne concentration use a respirator or gas mask with appropriate cartridges or canisters (NIOSH approved) or supplied air			
PREPARED DEPARTMENT OF HAZARDOUS COMMUNICATIONS		DATE PREPARED: June 2003		<b>EYE:</b> Goggles			
<b>II - HAZARDOUS INGREDIENTS</b>				<b>SKIN:</b> Gloves advised  <b>PROTECTIVE GLOVES:</b> Impermeable gloves			
PRINCIPLE HAZARDOUS COMPONENT(S) (CHEMICAL NAMES)	CAS NO	ACGIH TLV	OSHA PEL				
Sodium Silicate	1344-09-8	NE	NE				
<b>III - PHYSICAL DATA</b>				<b>OTHER:</b> Do not eat or drink in work area. Wash hands before eating			
BOILING POINT (°F): 2140F		SPECIFIC GRAVITY (H <sub>2</sub> O= 1) : 1.4		<b>VENTILATION REQUIREMENTS:</b> If current ventilation practices are not adequate to maintain airborne concentration below established exposure limits, addition ventilation or exhaust systems may be required			
VAPOR PRESSURE (mm Hg) : N/A		MELTING POINT: N/E					
VAPOR DENSITY (Air = 1) : N/E		EVAPORATION RATE (H <sub>2</sub> O= 1) : N/A					
pH : 13.0		APPEARANCE AND ODOR : Brown liquid with amine odor					
SOLUBILITY IN WATER : 100				<b>IX - SPECIAL PRECAUTIONS</b>			
<b>IV - FIRE &amp; EXPLOSION HAZARD DATA</b>				<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:</b> Do not get into eyes, skin, or clothing. Do not breathe vapors mist or gas. Keep container slightly closed, cool, dry, and away from all sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good housekeeping and personal hygiene procedures. Bond and ground equipment when transferring to another container. Empty containers contain 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, or other sources of ignition. They may explode and cause injury and death. Empty drums should be completely drained, properly bunged, and promptly shipped to supplier or drum reconditioned. All other containers should be disposed of in an environmentally safe manner and in accordance with government regulations. Before working in or on tanks which contain or pertaining to cleansing, repairing, welding, or other contemplated operations.			
FLAMMABILITY as per CPSC FLAME EXTENTION TEST: Flash Point = N/E							
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Wear appropriate protective equipment including respiratory protection as conditions warrant. Stop UNUSUAL FIRE AND EXPLOSION HAZARDS: May decompose during contact with flames, heating elements, or in combustion engines releasing irritants							
<b>V - REACTIVITY DATA</b>				<b>SPECIAL PRECAUTIONARY STATEMENTS:</b> The above information is useful when container is 55 gallon or multipliers, normal size package (4oz - 1gal) constitutes a similar reduction in hazards. <b>Keep this and all chemicals out of reach of children.</b>  <b>NOTICE:</b> We believe that the information contained on this material safety data sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily nor fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, expressed or implied, of merchantability fitness or otherwise is made.			
CHEMICAL STABILITY	UNSTABLE	CONDITIONS TO AVOID: Sparks and other sources of ignition					
INCOMPATIBILITY (Materials to avoid): oxidizing agents, strong acids, and bases							
HAZARDOUS DECOMPOSITION PRODUCTS: thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide							
HAZARDOUS POLYMERIZATION	MAY OCCUR WILL NOT OCCUR	CONDITIONS TO AVOID: X					
<b>VI - HEALTH HAZARD AREA</b>				<b>X - REGULATORY INFORMATION AND REFERENCES</b>			
ROUTE(S) OF ENTRY: EYES Yes		SKIN Yes		INGESTION Yes		INHALATION Yes	
<b>EFFECTS OF OVER EXPOSURE:</b> <b>INHALATION:</b> Possible irritation of upper respiratory tract <b>SKIN CONTACT/ABSORPTION:</b> Continuous contact with this material may cause irritation of skin. Chemical itself is an irritant or sensitizer <b>INGESTION:</b> In large quantities, may cause irritation of digestive tract, sign of nervous system depression, such as headaches, drowsiness, loss of concentration, fatigue, and nausea <b>EYES:</b> Components of this material may be an eye irritant				<b>SARA Title III Reporting Requirements</b>			
CARCINOGENICITY: NTP? No		IARC MONOGRAPHS? No		OSHA REGULATED? No		302 (Extremely Hazardous Substances): <b>Reporting not required.</b> 304/CERCLA (Spills Notification): <b>Not required.</b> 311 Community Right-To-Know, RTK): <b>Reporting required.</b> 312 (RTK Inventory Data): <b>Reporting required, Acute health hazard, irritating.</b> 313 (Emissions and Releases): <b>Reporting not required.</b> DOT NOT HAZARDOUS	
<b>EMERGENCY AND FIRST AID PROCEDURES:</b> <b>EYES AND SKIN:</b> EYES - Move person to fresh air and away from exposure. If irritation or redness develops, flush eyes with clean water and seek medical attention. For direct contact hold eyelids apart for at least 15 minutes. SKIN - Remove contaminated shoes and clothing and cleanse affected area <b>INHALATION:</b> Move victim to fresh air. If not breathing, start artificial respiration. Get IMMEDIATE MEDICAL ATTENTION <b>INGESTION:</b> If ingested, seek emergency medical attention IMMEDIATELY. Do NOT give any thing by mouth, Call Poison Control Center.				<b>References</b>			
				TOXIC SUBSTANCE CONTROL CT LIST (TSCA) - INGREDIENTS LISTED PERMISSIBLE EXPOSURE REFERENCES: Registry of Toxic Effects of Chemical Substances. Title 29 Code of Federal Regulations. National Toxicology Program (NTP) Report on Carcinogens. International Agency for Research on Cancer (IARC) Monographs. Title 40 Code of Federal Regulations REGULATORY STANDARDS: DOT Title 49 Code of Federal Regulations 172.101 SARA Title III Nuclear Regulatory Commission			