MATERIAL SAFETY DATA SHEET

LithSeal SC

1. COMPANY IDENTIFICATION

Manufacturer: SpecChem
444-B Richmond Ave.
Kansas City, KS 66101
Phone (866) 791-8700
24 Hour Emergency Contact: CHEMTREC (800) 424-9300

2. COMPOSITION INFORMATION

Component	CAS #	% by weight
Lithium silicate	12627-14-4	< 18%
Water	7732-18-5	> 80%

3. HAZARDS IDENTIFICATION

Component	Exposure Limit	Form
None	TLV not established	

NFPA CLASSIFICATION (0=Least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)
Health 1, Fire 0, Reactivity 0
HMIS CODES (0=Least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)
Health 1, Flammability 0, Reactivity 0
POTENTIAL HEALTH EFFECTS
INHALATION: Inhalation of mist or vapors may cause irritation to upper respiratory tract and mucous membranes.
INGESTION: Irritating to digestive tract; may cause gastric distress, stomach pains.
SKIN CONTACT: Contact may cause irritation, dermatitis.
EYE CONTACT: Contact with eyes may cause pain and irritation.
CHRONIC EXPOSURE: No information found.
AGGRAVATION OF PRE-EXISTING CONDITIONS: No information found.

4. FIRST AID PROCEDURES

EYE CONTACT: Remove contact lenses. Immediately flush eyes with plenty of water for 15 minutes, lifting lower or upper eyelids occasionally. Obtain medical attention immediately.
SKIN CONTACT: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. If irritation persists ,obtain medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
INHALATION: Remove affected person to fresh air, wash mouth and nasal passages with water repeatedly. If breathing difficulties persist seek medical attention
INGESTION: Give large amounts of water to drink. Do not induce vomiting Obtain medical attention.

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5. FIRE FIGHTING MEASURES

Flash Point: Non-combustible.
Autoignition Temperature: N/A
Flammability Limits in air: N/A
EXTINGUISHING MEDIA: This material is not expected to burn under normal conditions of use.
EXTINGUISHING MEDIA TO AVOID: None.
SPECIAL FIREFIGHTING PROCEDURES: In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.
"EMPTY" CONTAINER WARNING: "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not attempt to clean since residue can be difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to OSHA, ANSI Z 49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS: Confine area of spill with dike and absorb with suitable absorbent. Transfer to suitable containment for disposal. Do not allow to enter sewers or open waterways.
SMALL SPILLS: Take up with absorbent materials such as sand or sawdust and place in non-leaking containers. Dispose of in accordance with all Federal, state, and local regulations.

7. HANDLING AND STORAGE

HANDLING: For industrial use only. Keep from freezing. Avoid skin and eye contact. Minimize breathing vapor or mist. Respiratory protection is required for use in confined or poorly ventilated areas. Cleanse skin thoroughly after contact. Product is readily removed from skin by waterless hand cleaners following by washing thoroughly with soap and water.
STORAGE: Store in a cool, dry location and in accordance with good industrial practices. Keep containers closed when not in use. Do not allow to freeze.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Use local exhaust to capture vapor or mists if necessary. Local exhaust is preferred over general exhaust because it can control the emissions of the contaminant at its source, preventing dispersions into the general work area. Provide ventilation sufficient to prevent exceeding OSHA PELs.
RESPIRATORY PROTECTION: None required for typical use. If mists are present, wear dust/mist respirator.
SKIN PROTECTION: Wear impervious protective clothing, including gloves, boots, lab coat, apron, or coveralls, as appropriate to prevent skin contact.

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EYE PROTECTION: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to hazy liquid
ODOR: Negligible
BOILING POINT: 100°C
VAPOR PRESSURE: 17mm Hg @ 20 degrees C.
VAPOR DENSITY: < 1
SOLUBILITY IN WATER: 100%
SPECIFIC GRAVITY: 1.1
pH: 11.0
POUR POINT: 0°C

10. STABILITY AND REACTIVITY

STABILITY: Stable.
CONDITIONS TO AVOID: Extreme Temperatures, Keep from Freezing.
MATERIALS TO AVOID: strong oxidizers, strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen gas.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

No LD50/LC50 information is available relating to normal routes of occupational exposure.
EYE EFFECTS: May cause irritation, redness, and pain.
SKIN EFFECTS: May cause irritation with redness and pain.
ORAL EFFECTS: May cause irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting, and diarrhea.
INHALATION EFFECTS: May cause irritation to the respiratory tract. Symptoms may include coughing, sore throat, labored breathing, and chest pain.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE: No information available.
ECOTOXICITY: No information available.
FURTHER INFORMATION: None.

13. DISPOSAL CONSIDERATIONS

Waste not regulated under RCRA. This product as supplied is not classified as hazardous waste and should be suitable for discharge to a sanitary sewer with ph adjustment as needed to pretreatment standards. Dispose of in accordance with state and local regulation.

14. TRANSPORT INFORMATION

DOT SHIPPING LABEL: Not regulated by the U.S. DOT
HAZARD CLASS: Not applicable

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15. REGULATORY INFORMATION

FEDERAL/NATIONAL

This product is not hazardous as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SUPERFUND AMENDMENTS AND REAUTHORIAZATION ACT OF 1986 (SARA) TITLE III (Emergency Planning and Community Right to Know Act) SECTION 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: NONE

TOXIC SUBSTANCES CONTROL ACT (TSCA)

All components of this product are on the TSCA Inventory or are exempt from the TSCA Inventory requirements.

16. OTHER INFORMATION

Prepared by: Michael Volkov

The information and recommendations contained herein were obtained from sources we believe to be accurate and reliable as of the date revised. However, SpecChem does not warrant or guarantee their accuracy or reliability, and shall not be liable for any loss or damage arising out of the use thereof. The information and recommendations are offered for the user's consideration and examination and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use.