



## Material Safety Data Sheet

## Section 1

## PRODUCT &amp; COMPANY IDENTIFICATION

**Product Name:** NewLook NanoSet Lithium Silicate Densifier Concentrate  
**Chemical Name:** Lithium Silicate Water-based Solution  
**Information Phone:** NewLook International, Inc. 877.763.9566 or 801.886.9495  
**Emergency Contact:** For Emergency information, contact Chemtel, Inc. at 800.255.3924, Outside the USA at 813.248.0585

## Section 2

## COMPOSITION &amp; INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	Weight	OSHA PEL	ACGIH TLV
Silicic acid, Lithium Salt, Lithium Silicate	12627-14-4	23-30%	Not Established	Not Established
Proprietary Penetrating Aid	Not available	<2%	Not Established	Not Established

## Section 3

## HAZARD IDENTIFICATIONS

**Emergency Overview:** Clear to opalescent, colorless, odorless liquid. Due to high pH, product released into surface water is harmful to aquatic life. Non-Combustible. Spills are slippery. Reacts with acids, ammonium salts, reactive metals and some organics.

**Permissible exposure limit:** None established for this product

**OSHA exposure limit:** None established for this product

**Primary routes of entry:** Ingestion, Inhalation, eye contact

**Effects of overexposure:** **Ingestion:** May cause irritation to mouth, esophagus, and stomach.  
**Inhalation:** May cause irritation of upper respiratory tract.  
**Eye Contact:** May cause moderate irritation.  
**Skin Contact:** May cause moderate irritation.

**Chronic Hazards:** Possible development hazard. Contains lithium that may adversely affect the developing fetus.

This Product does not contain any substance listed as a carcinogen by NTP, IARC, or OSHA

## Section 4

## FIRST AID MEASURES

**Inhalation:** May cause irritation. Remove to fresh air and provide oxygen if breathing is difficult. If not breathing, give artificial respiration. Seek medical attention if irritation persists.

**Ingestion:** Never give an unconscious person anything to ingest. If swallowed, do not induce vomiting. Immediately drink cupful of water. Seek immediate medical attention.

**Eyes:** Immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention.

**Skin:** May cause irritation. Wash skin with soap and water. If irritation occurs or continues, seek medical attention. Remove contaminated clothing.

## Section 5

## FIRE &amp; EXPLOSION HAZARD DATA

**Flash Point:** Will not flash  
**Unusual fire and explosion hazards:** None  
**LEL:** N/A  
**UEL:** N/A  
**Flammability class:** N/A  
**Extinguishing media:** N/A  
**Special Fire Fighting Procedures:** None

## Section 6

## ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:  
**Personal protection:** Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots.

**Spill-** Absorb with an inert material and place in an appropriate waste disposal container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Waste Disposal Method:** Sanitary landfill or sewer. Observe all environmental regulations, Federal, State and Local regulations

**Environmental Hazards:** Product sinks and mixed with water. High pH material is harmful to aquatic life. Only water will evaporate from material.

**CERCLA RQ:** There is no CERCLA Reportable Quantity for this material. If a spill goes off site, notification of state and local authorities is recommended.

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## Section 7 HANDLING & STORAGE MEASURES

**General Handling:** Avoid contact with eyes, skin, and clothing. Avoid breathing vapor, and spray mist. Do not swallow.

**Ventilation:** General mechanical room ventilation is expected to be satisfactory if handled at low temperatures or in covered equipment. Local ventilation is needed in the presence of airborne mists.

**Storage:** Keep containers closed. Store in clean plastic containers. Do not store in aluminum, steel, fiberglass, copper, brass, zinc or galvanized containers. Separate from acids, reactive metals, and ammonium salts. Product may freeze if stored below 32 degrees Fahrenheit. Product damage will occur if frozen. Recommended to store at room temperature.

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## Section 8 EXPOSURE CONTROL & PERSONAL PROTECTION

**Ventilation:** Use adequate ventilation to keep airborne concentrations below the exposure standard.

**Respiratory Protection:** Use a NIOSH-approved dust and mist respirator in heavy mist locations. Observe OSHA regulations for respirator use.

**Other Personal Protection:** Wear chemical goggles, body-covering protective clothing and gloves.

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## Section 9 PHYSICAL & CHEMICAL PROPERTIES

<b>Volatile Component</b>	Water	<b>Freeze Point</b>	32 F
<b>Boiling Point</b>	212 F	<b>pH</b>	10.8
<b>Evaporation Rate</b>	Same as Water	<b>Odor</b>	Mild
<b>Vapor Pressure</b>	Same as Water	<b>Appearance</b>	Milky Fluid
<b>Vapor Density</b>	Unavailable	<b>Density</b>	1.2 g/cm <sup>3</sup> (20 degrees Celsius)
<b>V.O.C.</b>	None	<b>Weight per Gallon</b>	10 lbs per gallon
<b>Solubility in Water</b>	Miscible		

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## Section 10 STABILITY & REACTIVITY

**Stability:** Stable

**Incompatibility:** Gels and generates heat when mixed with acid. Absorbs carbon dioxide on exposure to air. May react with ammonium salts resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc.

**Conditions to avoid:** Do not mix with other material unless advised by supplier. Freezing conditions will damage product.

**Hazardous decomposition products:** Hydrogen.

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## Section 11 TOXICOLOGICAL INFORMATION

**Acute Data:** When tested for irritation potential, a similar material caused moderate irritation to the eyes and moderate irritation to the skin.

**Subchronic Data:** Repeated ingestion or ingestion in large doses of soluble lithium compounds is reported to cause temporary mental function impairment.

**Special Studies:** Repeated ingestion or ingestion in large doses of soluble lithium compounds during pregnancy is reported to cause fetal abnormalities. Frequent ingestion over extended periods of time in gram quantities of silicates is associated with the formation of kidney stones and other siliceous urinary calculi in humans. Lithium silicate is not listed by IARC, NTP or OSHA as carcinogens.

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## Section 12 ECOLOGICAL INFORMATION

**Eco toxicity:** This product has not been tested for eco-toxicity potential.

**Environmental Fate:** The high pH of this material may be acutely harmful to aquatic life. It does not contribute to BOD.

**Physical/Chemical:** Sinks and mixes with water. Only water will evaporate from this material.

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## Section 13 DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable Federal, State, Provincial and local environmental regulations.

**THIS PRODUCT WHEN SPILLED OR DISPOSED OF IS A NON-HAZARDOUS WASTE AS DEFINED IN RCRA REGULATION (40CFR261)**

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## Section 14

**TRANSPORT INFORMATION**  
NOT REGULATED

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**Section 15**

**REGULATORY INFORMATION**

**CERCLA:** No CERCLA Reportable Quantity has been established for this material.  
**SARA Title III:** Not an Extremely Hazardous Substance under §302. Not a Toxic Chemical under §313. Hazard Categories under §311/312: Acute  
**TSCA:** All ingredients of this material are listed on the TSCA inventory.

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**Section 16**

**OTHER INFORMATION & LEGEND**

The facts and recommendations contained herein are based on our own research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made as we cannot cover every possible application for our products, or anticipate variations encountered in manufacturing equipment and methods. Products discussed are sold without warranty, express or implied and on the condition that purchasers shall make their own determination as to the suitability of such products for their particular purposes. Seller shall not be liable for any injury, loss, or damage, direct or consequential arising from the use or inability to use the product. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patents.