



Model Number: 09IHSS

Innovative Surface Solutions 09IHSS, Lithium Silicate Hardener, concrete, travertine, limestone, terrazzo, Gallon

Manufacturer: Innovative Surface Solutions

Innovative Surface Solutions 09IHSS Lithium Silicate Hardener concrete travertine limestone terrazzo  
1 Gallon

This product is a lithium silicate sealer, hardener and densifier for concrete, terrazzo, travertine, and limestone surfaces.

This penetrating product reacts with each surface to produce insoluble calcium silicate hydrate within the pores of the concrete, terrazzo, travertine, and limestone. Surfaces treated with this product resist damage from water and surface abrasion.

## MATERIAL SAFETY DATA SHEET

SECTION

### I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LITHIUM SILICATE HARDENER RTU ID NUMBER: ISS-2575  
PRODUCT USE/CLASS: CONCRETE DENSIFIER  
MANUFACTURED FOR: Innovative Surface Solutions 1229 Simpson Way,  
Escondido CA, 92029 TELEPHONE: 800-280-0333  
PREPARED BY: REGULATORY DEPT. EMERGENCY TELEPHONE: 800-633-8253  
PREPARE DATE: 07/10/2012

SECTION

### II - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME  
CAS NUMBER  
WT.PERCENT  
IS LESS THAN  
TLV-TWA  
TLV-STEL  
PEL-TWA  
SKIN  
DESIGNATION  
Silicic acid, lithium salt; 12627-14-4 &lt; 15.0% N/E N/E N/E NO  
lithium silicate  
(See Section 11 for abbreviation legend)

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SECTION

III - PHYSICAL DATA

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BOILING RANGE: 212 - 237 F VAPOR DENSITY : Is heavier than air ODOR:  
 CHARACTERISTIC SPECIFIC GRAVITY: 1.0305  
 APPEARANCE: CLEAR LIQUID PH: 9.8 to 10.2 EVAPORATION RATE: SLOWER  
 THAT ETHE SOLUBILITY IN H2O : COMPLETE  
 (See Section XI for abbreviation legend)

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SECTION

IV - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT: N/A (WATER-BASED LIQUID) LOWER EXPLOSIVE LIMIT: N.A.  
 UPPER EXPLOSIVE LIMIT: N.A.  
 EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: THIS PRODUCT  
 NONCOMBUSTIBLE. IT MAY DECOMPOSE RELEASING OXYGEN,  
 INTENSIFYING THE FIRE. A STRONG OXIDIZER, IT MAY INITIATE COMBUSTION  
 OF ORGANIC MATERIALS OR EXPLOSION OF FLAMMABLE LIQUIDS.  
 SPECIAL FIREFIGHTING PROCEDURES: COOL CONTAINERS IN VICINITY TO  
 PREVENT OVERHEATING. FIREFIGHTERS SHOULD WEAR SELF CONTAINED  
 BREATHING APPARATUS AND PROTECTIVE CLOTHING.

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SECTION

V - HEALTH HAZARD DATA

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EFFECTS OF OVEREXPOSURE : OVER EXPOSURE IS HIGHLY UNLIKELY.  
 NATURESOL IS DISPENSED THOUGH A CONTROLLED DISPENSING STATION.  
 ALL END USER CONTACT IS IN A DILUTED FORM.  
 EFFECTS OF OVEREXPOSURE - EYE CONTACT: EYE CONTACT WILL CAUSE  
 IRRITATION.  
 EFFECTS OF OVEREXPOSURE - SKIN CONTACT: PROLONGED OR REPEATED  
 CONTACT MAY CAUSE IRRITATION TO SENSITIVE SKIN.  
 EFFECTS OF OVEREXPOSURE - INHALATION: EXCESSIVE INHALATION MAY  
 CAUSE NAUSEA, DIZZINESS.  
 EFFECTS OF OVEREXPOSURE - INGESTION: CORROSIVE. LARGE  
 QUANTITIES COULD CAUSE PAIN, NAUSEA.  
 EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: NO INFORMATION.  
 FIRST AID - EYE CONTACT: FLUSH WITH WATER 15-30 MINUTES, LIFTING  
 EYELIDS. GET MEDICAL ATTENTION.  
 FIRST AID - SKIN CONTACT: FLUSH WITH WATER 15 MINUTES. REMOVE  
 CONTAMINATED CLOTHING. LAUNDER BEFORE REUSE. GET MEDICAL  
 ATTENTION IF IRRITATION PERSISTS.  
 FIRST AID - INHALATION: REMOVE TO FRESH AIR. IF IRRITATION PERSISTS  
 GET MEDICAL ATTENTION.  
 FIRST AID - INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES

OF WATER OR MILK. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION. GET MEDICAL ATTENTION.

PRIMARY ROUTE(S) OF ENTRY: INGESTION EYE CONTACT

(Continued on Page 2)

Page 2

PRODUCT NAME: LITHIUM SILICATE HARDENER RTU ID NUMBER: ISS-2575

PRODUCT USE/CLASS: CONCRETE DENSIFIER

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## SECTION

### VI - REACTIVITY DATA

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HAZARDOUS DECOMPOSITION PRODUCTS: No Information.

CONDITIONS TO AVOID: ACIDS, STRONG OXIDIZING OR REDUCING MATERIALS.

INCOMPATABILITY: ACTIVE METALS. ORGANIC MATERIALS.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is not stable under normal storage conditions.

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## SECTION

### VII - SPILL OR LEAK PROCEDURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WEAR APPROPRIATE PROTECTIVE AND RESPIRATORY EQUIPMENT. PREVENT SPILLS FROM ENTERING SEWERS, OR ANY UNAUTHORIZED WATER SYSTEMS. SPILL MAY BE ABSORBED ONTO APPROPRIATE ABSORBENT MATERIAL.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH APPROPRIATE FEDERAL, STATE AND LOCAL REGULATIONS.

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## SECTION

### VIII - SAFE HANDLING AND USE INFORMATION

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VENTILATION: SUFFICIENT VENTILATION, IN VOLUME AND PATTERN, SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGHI'S TLV LIMIT.

SKIN PROTECTION: RUBBER GLOVES NEEDED.

EYE PROTECTION: SAFETY GLASSES SHOULD BE USED WHEN USING THIS PRODUCT.

OTHER PROTECTIVE EQUIPMENT: PREVENT PROLONGED CONTACT. EYE WASH, SAFETY SHOWER AVAILABLE.

HYGENIC PRACTICES: WASH AFTER EACH USE.

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## SECTION

### IX - SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL

Equipment: Carpet Cleaning Machines > Vacuum Cleaners > HEPA Concrete Dust Slurry Hazmat Vacuums >

DRY AREA KEEP AWAY FROM SPARKS AND OPEN FLAMES.  
OTHER PRECAUTIONS: OBEY ALL HAZARD WARNINGS WHEN CONTAINERS  
ARE EMPTIED.

SECTION  
X - HMIS RATINGS

HMIS RATINGS HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

SECTION  
XI - OTHER REGULATIONS

SARA 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:

----- CHEMICAL NAME ----- CAS NUMBER WT/WT %

No SARA Section 313 components exist in this product.

PREVIOUS MSDS REVISION DATE: N.A

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS is been checked and should be accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

&lt;END OF MSDS&gt;

Availability: This product was added to our catalog on Friday 24 May, 2013