

# INSL-X

## SAFETY DATA SHEET

Revision Date: 13-Apr-2020

Revision Number: 1

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** INSL-X CONCRETE ETCH  
**Product Code** CL03-00  
**Alternate Product Code** UA3400  
**Product Class** SURFACE PREPARATION PRODUCT  
**Color** Clear  
**Recommended use** SURFACE PREPARATION PRODUCT  
**Restrictions on use** No information available

**Manufacturer**  
Benjamin Moore & Co.  
101 Paragon Drive  
Montvale, NJ 07645  
Phone: 1-866-708-9180  
insl-x.com

**Emergency Telephone**  
CHEMTREC (US): 800-424-9300  
CHEMTREC (outside US): (703)-527-3887

### 2. HAZARDS IDENTIFICATION

#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1                |
| Corrosive to metals               | Category 1                |

#### Label elements

##### Danger

##### Hazard statements

Causes severe skin burns and eye damage  
May be corrosive to metals



**Appearance** Clear to Straw-colored liquid

**Odor** odorless

**Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep only in original container

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician

**Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician

**Ingestion**

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Spill**

Absorb spillage to prevent material damage

**Precautionary Statements - Storage**

Store locked up  
 Store in corrosive resistant/ .? container with a resistant inner liner

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other information**

No information available

### 3. COMPOSITION INFORMATION ON COMPONENTS

| Chemical name   | CAS No.   | Weight-% |
|-----------------|-----------|----------|
| Phosphoric acid | 7664-38-2 | 60 - 65  |

### 4. FIRST AID MEASURES

**General Advice**

Call a poison control center or doctor for treatment advice. Have the product containers or label with you when calling a poison control center or doctor, or going for treatment.

**Eye Contact**

Immediate medical attention is required. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

**Skin Contact**

Wash off immediately with plenty of water removing all contaminated clothes and

shoes. In case of burns, immediately cool affected skin for as long as possible with cold water. Immediate medical attention is required.

**Inhalation** IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.

**Ingestion** Rinse mouth with water. Do NOT induce vomiting. Call a physician or poison control center immediately.

**Most Important Symptoms/Effects** Causes burns to skin and eyes.

**Notes To Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Protective equipment and precautions for firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Specific Hazards Arising From The Chemical** Closed containers may rupture if exposed to fire or extreme heat.

**Sensitivity to mechanical impact** No

**Sensitivity to static discharge** No

### Flash Point Data

|                  |                |
|------------------|----------------|
| Flash point (°F) | Not applicable |
| Flash Point (°C) | Not applicable |
| Method           | Not applicable |

### Flammability Limits In Air

|                           |                |
|---------------------------|----------------|
| Lower flammability limit: | Not applicable |
| Upper flammability limit: | Not applicable |

**NFPA**    **Health:** 3                      **Flammability:** 0                      **Instability:** 0                      **Special:** COR

### NFPA Legend

0 - Not Hazardous  
 1 - Slightly  
 2 - Moderate  
 3 - High  
 4 - Severe

*The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.*

*Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at [www.nfpa.org](http://www.nfpa.org).*

## 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Attention! Corrosive material. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment. Evacuate personnel to safe areas.  |
| <b>Other Information</b>         | Wear personal protective equipment. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. |
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information.   |
| <b>Methods for Cleaning Up</b>   | Neutralize with commercially available decontamination solutions. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.  |

## 7. HANDLING AND STORAGE

|                               |  |
|-------------------------------|--|
| <b>Handling</b>               | Wear personal protective equipment. Prevent contact with skin, eyes and clothing. Do not breathe vapors or spray mist. In case of insufficient ventilation, wear suitable respiratory equipment. |
| <b>Storage</b>                | Store in original container. Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.  |
| <b>Incompatible Materials</b> | combustible materials, metals, caustics  |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

| Chemical name   | ACGIH TLV   | OSHA PEL                  |
|-----------------|---|---------------------------|
| Phosphoric acid | STEL: 3 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup> | 1 mg/m <sup>3</sup> - TWA |

### Legend

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits

OSHA - Occupational Safety & Health Administration Exposure Limits

N/E - Not Established

|                                      |  |
|--------------------------------------|--|
| <b>Engineering Measures</b>          | Ensure adequate ventilation, especially in confined areas.   |
| <b>Personal Protective Equipment</b> |  |
| <b>Eye/Face Protection</b>           | Tightly fitting safety goggles. If splashes are likely to occur, wear: Face-shield.  |
| <b>Skin Protection</b>               | Protective gloves and impervious clothing.   |
| <b>Respiratory Protection</b>        | In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. |
| <b>Hygiene Measures</b>              | Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                       |                               |
|---------------------------------------|-------------------------------|
| <b>Appearance</b>                     | Clear to Straw-colored liquid |
| <b>Odor</b>                           | odorless                      |
| <b>Odor Threshold</b>                 | No information available      |
| <b>Density (lbs/gal)</b>              | 10.5 - 10.8                   |
| <b>Specific Gravity</b>               | 1.25 - 1.30                   |
| <b>pH</b>                             | No information available      |
| <b>Viscosity (cps)</b>                | No information available      |
| <b>Solubility(ies)</b>                | Soluble in water              |
| <b>Water solubility</b>               | No information available      |
| <b>Evaporation Rate</b>               | No information available      |
| <b>Vapor pressure</b>                 | No information available      |
| <b>Vapor density</b>                  | No information available      |
| <b>Wt. % Solids</b>                   | 55 - 65                       |
| <b>Vol. % Solids</b>                  | 45 - 55                       |
| <b>Wt. % Volatiles</b>                | 35 - 45                       |
| <b>Vol. % Volatiles</b>               | 45 - 55                       |
| <b>VOC Regulatory Limit (g/L)</b>     | < 25                          |
| <b>Boiling Point (°F)</b>             | 212                           |
| <b>Boiling Point (°C)</b>             | 100                           |
| <b>Freezing point (°F)</b>            | 0                             |
| <b>Freezing Point (°C)</b>            | No information available      |
| <b>Flash point (°F)</b>               | Not applicable                |
| <b>Flash Point (°C)</b>               | Not applicable                |
| <b>Method</b>                         | Not applicable                |
| <b>Flammability (solid, gas)</b>      | Not applicable                |
| <b>Upper flammability limit:</b>      | Not applicable                |
| <b>Lower flammability limit:</b>      | Not applicable                |
| <b>Autoignition Temperature (°F)</b>  | No information available      |
| <b>Autoignition Temperature (°C)</b>  | No information available      |
| <b>Decomposition Temperature (°F)</b> | No information available      |
| <b>Decomposition Temperature (°C)</b> | No information available      |
| <b>Partition coefficient</b>          | No information available      |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Reactivity</b>                         | Not Applicable  |
| <b>Chemical Stability</b>                 | Stable under normal conditions.   |
| <b>Conditions to avoid</b>                | When diluting this product always add this product to water, never the other way around. Adding water directly to this product will cause a violent reaction, Contact with certain metals may liberate hydrogen gas, Prevent from freezing. |
| <b>Incompatible Materials</b>             | combustible materials, metals, caustics.  |
| <b>Hazardous Decomposition Products</b>   | Phosphorous oxides.   |
| <b>Possibility of hazardous reactions</b> | None under normal conditions of use.  |

## 11. TOXICOLOGICAL INFORMATION

**Product Information****Information on likely routes of exposure**

**Principal Routes of Exposure** Eye contact, skin contact and inhalation.

**Acute Toxicity**

**Product Information** No information available

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Eye contact** Severely irritating to eyes. May cause burns. Risk of serious damage to eyes.  
**Skin contact** Contact causes severe skin irritation and possible burns.  
**Inhalation** Avoid breathing vapors or mists. Harmful by inhalation. Contact with moist mucous membranes of the respiratory system can cause caustic condition resulting in burns.  
**Ingestion** Ingestion causes burns of the upper digestive and respiratory tracts.  
**Sensitization** No information available  
**Neurological Effects** No information available.  
**Mutagenic Effects** No information available.  
**Reproductive Effects** No information available.  
**Developmental Effects** No information available.  
**Target organ effects** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Other adverse effects** No information available.  
**Aspiration Hazard** No information available

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 2498 mg/kg  
**ATEmix (inhalation-dust/mist)** 0.4 mg/L

**Component Information**

| Chemical name                | Oral LD50            | Dermal LD50             | Inhalation LC50                     |
|------------------------------|----------------------|-------------------------|-------------------------------------|
| Phosphoric acid<br>7664-38-2 | = 1530 mg/kg ( Rat ) | = 2740 mg/kg ( Rabbit ) | > 850 mg/m <sup>3</sup> ( Rat ) 1 h |

**Chronic Toxicity****Carcinogenicity**

*There are no known carcinogenic chemicals in this product above reportable levels.*

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity Effects**

The environmental impact of this product has not been fully investigated.

### **Product Information**

#### **Acute Toxicity to Fish**

No information available

#### **Acute Toxicity to Aquatic Invertebrates**

No information available

#### **Acute Toxicity to Aquatic Plants**

No information available

#### **Persistence / Degradability**

No information available.

#### **Bioaccumulation**

No information available.

#### **Mobility in Environmental Media**

No information available.

#### **Ozone**

No information available

### **Component Information**

#### **Acute Toxicity to Fish**

No information available

#### **Acute Toxicity to Aquatic Invertebrates**

No information available

#### **Acute Toxicity to Aquatic Plants**

No information available

## 13. DISPOSAL CONSIDERATIONS

#### **Waste Disposal Method**

Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

## 14. TRANSPORT INFORMATION

#### **DOT**

|                             |  |
|-----------------------------|--|
| <b>Proper Shipping Name</b> | PHOSPHORIC ACID SOLUTION                 |
| <b>Hazard class</b>         | 8  |
| <b>UN-No.</b>               | UN1805                                   |
| <b>Packing Group</b>        | III                                      |
| <b>Description</b>          | UN1805, PHOSPHORIC ACID SOLUTION, 8, III |

**ICAO / IATA** Contact the preparer for further information.

**IMDG / IMO** Contact the preparer for further information.

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA: United States** Yes - All components are listed or exempt.

**DSL: Canada** Yes - All components are listed or exempt.

### Federal Regulations

#### SARA 311/312 hazardous categorization

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire hazard                       | No  |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

*None*

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

*None*

### US State Regulations

#### California Proposition 65

 **WARNING:** Cancer and Reproductive Harm– [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

#### State Right-to-Know

| Chemical name   | Massachusetts | New Jersey | Pennsylvania |
|-----------------|---------------|------------|--------------|
| Phosphoric acid | X             | X          | X            |
| 1,4-Dioxane     | X             | X          | X            |

#### **Legend**

X - Listed

## 16. OTHER INFORMATION



**HMIS** -                  **Health:** 3                  **Flammability:** 0                  **Reactivity:** 0                  **PPE:** -

**HMIS Legend**

0 - Minimal Hazard  
 1 - Slight Hazard  
 2 - Moderate Hazard  
 3 - Serious Hazard  
 4 - Severe Hazard  
 \* - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

*Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.*

*Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.*

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**Prepared By**                          Product Stewardship Department  
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    800-225-5554

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**End of Safety Data Sheet**