



# SAFETY DATA SHEET

Revision Date: 23-May-2024

Revision Number: 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	SURE STEP ACRYLIC ANTI-SLIP COATING FLAT - DESERT SAND
Product Code	NSU-1022
Alternate Product Code	US4022
Product Class	Water thinned paint
Color	Beige
Recommended use	Paint
Restrictions on use	No information available

<b>Manufacturer</b>	<b>Emergency Telephone</b>
Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 Phone: 1-866-708-9180 www.insl-x.com	CHEMREC: +1 703-741-5970 / 1-800-424-9300 +1 703-527-3887 (outside US & Canada)

## 2. HAZARDS IDENTIFICATION

### Classification

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

Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 1

### Label elements

#### Danger

#### Hazard statements

Causes serious eye irritation  
May cause an allergic skin reaction  
May cause cancer  
Causes damage to organs through prolonged or repeated exposure



**Appearance** liquid

**Odor** little or no odor

#### **Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Contaminated work clothing should not be allowed out of the workplace

Do not breathe dust/fume/gas/mist/vapors/spray

Do not eat, drink or smoke when using this product

Wear protective gloves/clothing and eye/face protection

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

##### **Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing

If eye irritation persists: Get medical advice/attention

##### **Skin**

IF ON SKIN: Wash with plenty of soap and water

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

#### **Precautionary Statements - Storage**

Store locked up

#### **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

**WARNING:** This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

### **3. COMPOSITION INFORMATION ON COMPONENTS**

Chemical name	CAS No.	Weight-%
Silica, crystalline	14808-60-7	25 - 30
Titanium dioxide	13463-67-7	5 - 10
Glass, oxide	65997-17-3	1 - 5
2-Propenoic acid, 2-methyl-, methyl ester	80-62-6	1 - 5
2-Ethylhexyl acrylate	103-11-7	1 - 5
Carbamic acid, butyl-, 3-iodo-2-propynyl ester	55406-53-6	0.1 - 0.5

#### 4. FIRST AID MEASURES

<b>General Advice</b>	No hazards which require special first aid measures.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. Wash clothing before reuse. Destroy contaminated articles such as shoes.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.
<b>Most Important Symptoms/Effects</b>	May cause allergic skin reaction.
<b>Notes To Physician</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Protective equipment and precautions for firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Specific Hazards Arising From The Chemical</b>	Closed containers may rupture if exposed to fire or extreme heat.
<b>Sensitivity to mechanical impact</b>	No
<b>Sensitivity to static discharge</b>	No
<b>Flash Point Data</b>	
<b>Flash point (°F)</b>	Not Applicable
<b>Flash Point (°C)</b>	Not applicable

**Method** Not applicable

**Flammability Limits In Air**

**Lower flammability limit:** Not applicable

**Upper flammability limit:** Not applicable

**NFPA**

**Health hazards** 1

**Flammability** 0

**Stability** 0

**Special:** Not Applicable

**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

**Personal Precautions** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

**Other Information** Prevent further leakage or spillage if safe to do so.

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods for Cleaning Up** Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

**Handling** Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

**Storage** Keep container tightly closed. Keep out of the reach of children.

**Incompatible Materials** No information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL
Silica, crystalline	TWA: 0.025 mg/m <sup>3</sup> respirable	TWA: 50 µg/m <sup>3</sup>

	particulate matter	TWA: 50 µg/m <sup>3</sup> excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays (vacated) TWA: 0.1 mg/m <sup>3</sup> respirable dust : (250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction : (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction
Titanium dioxide	TWA: 0.2 mg/m <sup>3</sup> nanoscale respirable particulate matter TWA: 2.5 mg/m <sup>3</sup> finescale respirable particulate matter	15 mg/m <sup>3</sup> - TWA
Glass, oxide	TWA: 1 fiber/cm <sup>3</sup> respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination As Continuous filament glass fibers [RR-01545-2] TWA: 5 mg/m <sup>3</sup> inhalable particulate matter As Continuous filament glass fibers [RR-01545-2] TWA: 1 fiber/cm <sup>3</sup> respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination TWA: 5 mg/m <sup>3</sup> inhalable particulate matter	-
2-Propenoic acid, 2-methyl-, methyl ester	dermal sensitizer STEL: 100 ppm TWA: 50 ppm	100 ppm - TWA 410 mg/m <sup>3</sup> - TWA

**Legend**

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits

OSHA - Occupational Safety &amp; Health Administration Exposure Limits

N/E - Not Established

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment****Eye/Face Protection**

Safety glasses with side-shields. If splashes are likely to occur, wear: Tightly fitting safety goggles.

**Skin Protection**

Protective gloves and impervious clothing.

**Respiratory Protection**

In case of insufficient ventilation wear suitable respiratory equipment.

**Hygiene Measures**

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	liquid
Odor	little or no odor
Odor Threshold	No information available
Density (lbs./gal)	11.5 - 11.9
Specific Gravity	1.38 - 1.43
pH	No information available
Viscosity (cps)	No information available
Solubility(ies)	No information available
Water solubility	No information available
Evaporation Rate	No information available
Vapor pressure @20 °C (kPa)	No information available
Relative vapor density	No information available
Wt. % Solids	50 - 60
Vol. % Solids	35 - 45
Wt. % Volatiles	40 - 50
Vol. % Volatiles	55 - 65
VOC Regulatory Limit (g/L)	< 50
Boiling Point (°F)	212
Boiling Point (°C)	100
Freezing point (°F)	32
Freezing Point (°C)	0
Flash point (°F)	Not Applicable
Flash Point (°C)	Not applicable
Method	Not applicable
Flammability (solid, gas)	Not applicable
Upper flammability limit:	Not applicable
Lower flammability limit:	Not applicable
Autoignition Temperature (°F)	No information available
Autoignition Temperature (°C)	No information available
Decomposition Temperature (°F)	No information available
Decomposition Temperature (°C)	No information available
Partition coefficient	No information available

## 10. STABILITY AND REACTIVITY

Reactivity	Not Applicable
Chemical Stability	Stable under normal conditions.
Conditions to avoid	Prevent from freezing.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.
Possibility of hazardous reactions	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

<b>Eye contact</b>	Causes serious eye irritation. May cause redness, itching, and pain.
<b>Skin contact</b>	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Sensitization</b>	May cause an allergic skin reaction
<b>Neurological Effects</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>Target organ effects</b>	Respiratory system, Eyes, Skin, Lungs.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	Causes damage to organs through prolonged or repeated exposure if inhaled.
<b>Other adverse effects</b>	No information available.
<b>Aspiration Hazard</b>	No information available

### Numerical measures of toxicity

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

<b>ATEmix (oral)</b>	36385 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	238.2 mg/l
<b>ATEmix (inhalation-vapor)</b>	2034 mg/l

### Component Information

Caution - This mixture contains a substance not yet fully tested

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg ( Rat )	-	-
2-Propenoic acid, 2-methyl-, methyl ester 80-62-6	8420 - 10000 mg/kg ( Rat )	5000 - 7500 mg/kg ( Rabbit )	= 29.8 mg/L ( Rat ) 4 h
2-Ethylhexyl acrylate 103-11-7	= 4435 mg/kg ( Rat )	= 7522 mg/kg ( Rabbit )	-
Carbamic acid, butyl-, 3-iodo-2-propynyl ester 55406-53-6	= 1470 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	= 0.67 mg/L ( Rat ) 4 h = 0.63 mg/L ( Rat ) 4 h = 0.99 mg/L ( Rat ) 4 h

### Chronic Toxicity

### Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical name	IARC	NTP	OSHA
Silica, crystalline	1 - Human Carcinogen	Known	X
Titanium dioxide	2B - Possible Human Carcinogen		Listed
2-Ethylhexyl acrylate	2B - Possible Human Carcinogen		Listed

- Crystalline Silica has been determined to be carcinogenic to humans by IARC (1) when in respirable form. Risk of cancer depends on duration and level of inhalation exposure to spray mist or dust from sanding the dried paint.
- Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

### Legend

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety & Health Administration

## 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

There is no data for this product.

#### Mobility in Environmental Media

No information available.

#### Ozone

Not applicable

### Component Information

### **Acute Toxicity to Fish**

Titanium dioxide

LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

Carbamic acid, butyl-, 3-iodo-2-propynyl ester

LC50: 230 µg/L (Bluegill sunfish - 96 hr.)

### **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 Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

## **15. REGULATORY INFORMATION**

### **International Inventories**

#### **TSCA: United States**

#### **DSL: Canada**

Yes - All components are listed or exempt.

No - Not all of the components are listed.

One or more component is listed on NDSL.

### **Federal Regulations**

#### **SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	Yes
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

<u>Chemical name</u>	<u>CAS No.</u>	<u>Weight-%</u>	<u>CERCLA/SARA 313 (de minimis concentration)</u>
2-Propenoic acid, 2-methyl-, methyl ester	80-62-6	1 - 5	1.0

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

This product contains the following HAPs:

<u>Chemical name</u>	<u>CAS No.</u>	<u>Weight-%</u>	<u>Hazardous Air Pollutant (HAP)</u>
2-Propenoic acid, 2-methyl-, methyl ester	80-62-6	1 - 5	Listed

**US State Regulations**

**California Proposition 65**

 **WARNING:** This product can expose you to chemicals including Titanium dioxide, which are known to the State of California to cause cancer, and Toluene which are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**U.S. State Right-to-Know  
Regulations**

<u>Chemical name</u>	<u>Massachusetts</u>	<u>New Jersey</u>	<u>Pennsylvania</u>
Silica, crystalline	X	X	X
Titanium dioxide	X	X	X
Carbamic acid, butyl-, 3-iodo-2-propynyl ester		X	

**Legend**

X - Listed

**16. OTHER INFORMATION**

**HMIS**

Health hazards	1*
Flammability	0
Reactivity:	0
Personal protection	-

**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**

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**Revision Date:**

23-May-2024

**Revision Summary**

Not available

**Disclaimer**

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**End of Safety Data Sheet**