



## Safety Data Sheet

### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

**Product Name** • Solar Gard Slip & Stick

**Synonyms** • Mounting Solution

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified use(s)** • Surface preparation for window film installation

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer** • Saint Gobain Solar Gard San Diego  
4540 Viewridge Avenue  
San Diego, CA 92123  
United States  
www.solargard.com

**Telephone (General)** • 858-576-0200

#### 1.4 Emergency telephone number

**Manufacturer** • 800-424-9300 - CHEMTREC

### Section 2: Hazards Identification

#### EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 2015/830]

#### 2.1 Classification of the substance or mixture

**CLP** • Acute Toxicity Oral 4 - H302  
Skin Irritation 2 - H315  
Serious Eye Damage 1 - H318  
Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335

#### 2.2 Label Elements

**CLP**

**DANGER**



**Hazard statements** • H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H318 - Causes serious eye damage

H335 - May cause respiratory irritation

### Precautionary statements

- Prevention**
- P261 - Avoid breathing mist, vapors and/or spray.
  - P264 - Wash thoroughly after handling.
  - P270 - Do not eat, drink or smoke when using this product.
  - P271 - Use only outdoors or in a well-ventilated area.
  - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response**
- P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  - P312 - Call a POISON CENTER/doctor if you feel unwell.
  - P302+P352 - IF ON SKIN: Wash with plenty of water.
  - P362+P364 - Take off contaminated clothing and wash it before reuse.
  - P321 - Specific treatment, see supplemental first aid information.
  - P332+P313 - If skin irritation occurs: Get medical advice/attention.
  - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P310 - Immediately call a POISON CENTER/doctor.
  - P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
  - P330 - Rinse mouth.

- Storage/Disposal**
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
  - P405 - Store locked up.
  - P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## 2.3 Other Hazards

- CLP**
- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

## UN GHS Revision 3

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Third Revised Edition

### 2.1 Classification of the substance or mixture

- UN GHS**
- Acute Toxicity Oral 4
  - Skin Irritation 2
  - Eye Irritation 2

### 2.2 Label elements

**UN GHS**

#### WARNING



- Hazard statements**
- Harmful if swallowed
  - Causes skin irritation
  - Causes serious eye irritation

### Precautionary statements

- Prevention**
- Wash thoroughly after handling.
  - Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

- Response** • IF ON SKIN: Wash with plenty of soap and water.  
 Take off contaminated clothing and wash before reuse.  
 Specific treatment, see supplemental first aid information.  
 If skin irritation occurs: Get medical advice/attention.  
 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.  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician if you feel unwell.  
 Rinse mouth.

- Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## 2.3 Other hazards

- UN GHS** • According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product is considered Hazardous.

## United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

### 2.1 Classification of the substance or mixture

- OSHA HCS 2012** • Acute Toxicity Oral 4  
 Skin Irritation 2  
 Eye Irritation 2

### 2.2 Label elements

OSHA HCS 2012

#### WARNING



- Hazard statements** • Harmful if swallowed  
 Causes skin irritation  
 Causes serious eye irritation

#### Precautionary statements

- Prevention** • Wash thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Wear protective gloves/protective clothing/eye protection/face protection.
- Response** • If on skin: Wash with plenty of water.  
 Take off contaminated clothing and wash before reuse.  
 Specific treatment, see supplemental first aid information.  
 If skin irritation occurs: Get medical advice/attention.  
 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.  
 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
 Rinse mouth.

**Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## 2.3 Other hazards

### OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Section 3 - Composition/Information on Ingredients

### 3.1 Substances

- Material does not meet the criteria of a substance.

### 3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
<i>Proprietary</i>	<i>Proprietary</i>	10% TO 30%	Ingestion/Oral-Rat LD50 • 438 mg/kg	<b>EU CLP:</b> Skin Irrit. 2, H315; Eye Dam. 1, H318; Acute Tox. 4, H302; STOT SE 3: Resp. Irrit., H335 <b>UN GHS Revision 3:</b> Skin Irrit. 2; Eye Irrit. 2; Acute Tox. 4 (orl) <b>OSHA HCS 2012:</b> Skin Irrit. 2; Eye Irrit. 2; Acute Tox. 4 (orl)	NDA

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

- Inhalation** • Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.
- Skin** • Wash skin with soap and water. If irritation develops and persists, get medical attention.
- Eye** • In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.
- Ingestion** • Rinse mouth. Do NOT induce vomiting. Give water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician** • All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

- Suitable Extinguishing Media** • LARGE FIRE: Water spray, fog or regular foam.  
SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam.
- Unsuitable Extinguishing Media** • No data available.

## 5.2 Special hazards arising from the substance or mixture

**Unusual Fire and Explosion** • This product is non combustible.

### Hazards

**Hazardous Combustion Products** • Releases toxic fumes of oxides of carbon on combustion or oxidation. Fumes of decomposition products may be toxic and irritating.

## 5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk.
- LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal Precautions** • Ventilate enclosed areas. Spilled material may cause surfaces to become slippery. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Emergency Procedures** • As an immediate precautionary measure, isolate spill or leak area for at least 100 meters (330 feet) in all directions. Keep unauthorized personnel away. Stay upwind.

### 6.2 Environmental precautions

- Avoid run off to waterways and sewers.

### 6.3 Methods and material for containment and cleaning up

**Containment/Clean-up Measures** • Stop leak if you can do it without risk. Absorb with earth, sand or other non-combustible material and transfer to containers. Dike to collect large liquid spills.

### 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

**Handling** • Use only in well ventilated areas. Keep away from heat, sparks, and flame. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing mist, vapors, and/or spray. Avoid contact with skin, eyes, and clothing. Do not puncture or incinerate container. When not being used, the product containers should be stored upright, and secured with the original closure. If transfer to another container becomes necessary ensure that the container is clearly labelled, the container is of a type suitable for the product, and is clean and free of other materials. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, wash hands and remove contaminated clothing. Always use clean and dry equipment to dispense the product. Dispensers should be cleaned before and after use. All dispensers should be washed out after use.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage** • Store in a cool/low-temperature, well-ventilated dry place away from heat and ignition sources.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

**Exposure Limits/Guidelines** • No applicable exposure limits available for product or components.

### 8.2 Exposure controls

**Engineering Measures/Controls** • Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### Personal Protective Equipment

**Respiratory** • In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

**Eye/Face** • Wear safety goggles.

**Skin/Body** • Wear appropriate gloves.

**Environmental Exposure Controls** • Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways. Follow best practice for site management and disposal of waste.

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

<b>Material Description</b>			
Physical Form	Liquid	Appearance/Description	Clear green/yellow liquid.
Color	Clear green/yellow.	Odor	Data lacking
Odor Threshold	Data lacking		
<b>General Properties</b>			
Boiling Point	100 °C(212 °F)	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	7 to 8.5
Specific Gravity/Relative Density	1 to 1.05 Water=1	Water Solubility	Soluble 100 %
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
<b>Volatility</b>			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
<b>Flammability</b>			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
<b>Environmental</b>			
Octanol/Water Partition coefficient	Data lacking		

### 9.2 Other Information

• No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- Keep away from heat and open flame.

### 10.5 Incompatible materials

- None known.

### 10.6 Hazardous decomposition products

- Toxic fumes of nitrogen oxides, carbon dioxide on combustion or oxidation.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

Components	
Proprietary (10% TO 30%)	Proprietary <b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 438 mg/kg; <i>Sense Organs and Special Senses:Eye: Lacrimation; Behavioral: Somnolence (general depressed activity); Gastrointestinal: Hypermotility, diarrhea;</i> <b>Irritation:</b> Eye-Rabbit • 250 µg 24 Hour(s) • Severe irritation; Skin-Rabbit • 20 mg 24 Hour(s) • Moderate irritation; <b>Multi-dose Toxicity:</b> Ingestion/Oral-Mouse TDLo • 5 g/kg 30 Day(s)-Intermittent; <i>Related to Chronic Data: Death in the Other Multiple Dose data type field</i>

GHS Properties	Classification
Acute toxicity	EU/CLP•Acute Toxicity - Oral 4 - ATEmix (oral) = 1460 mg/kg UN GHS 3•Acute Toxicity - Oral 4 - ATEmix (oral) = 1460 mg/kg OSHA HCS 2012•Acute Toxicity - Oral 4 - ATEmix (oral) = 1460 mg/kg
Skin corrosion/Irritation	EU/CLP•Skin Irritation 2 UN GHS 3•Skin Irritation 2 OSHA HCS 2012•Skin Irritation 2
Serious eye damage/Irritation	EU/CLP•Serious Eye Damage 1 UN GHS 3•Eye Irritation 2 OSHA HCS 2012•Eye Irritation 2
Skin sensitization	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
Respiratory sensitization	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
Aspiration Hazard	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
Carcinogenicity	EU/CLP•Data lacking UN GHS 3•Data lacking

	OSHA HCS 2012•Data lacking
Germ Cell Mutagenicity	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
Toxicity for Reproduction	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
STOT-SE	EU/CLP•Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
STOT-RE	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking

## Potential Health Effects

### Inhalation

**Acute (Immediate)** • May cause respiratory irritation.

**Chronic (Delayed)** • No data available

### Skin

**Acute (Immediate)** • Causes skin irritation.

**Chronic (Delayed)** • No data available

### Eye

**Acute (Immediate)** • Causes serious eye damage.

**Chronic (Delayed)** • No data available

### Ingestion

**Acute (Immediate)** • Harmful if swallowed.

**Chronic (Delayed)** • No data available

#### Key to abbreviations

LD = Lethal Dose

TD = Toxic Dose

## Section 12 - Ecological Information

### 12.1 Toxicity

- Material data lacking.

### 12.2 Persistence and degradability

- Material data lacking.

### 12.3 Bioaccumulative potential

- Material data lacking.

### 12.4 Mobility in Soil

- Material data lacking.

### 12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

### 12.6 Other adverse effects

- No studies have been found.



## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

**Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
TDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA

**14.6 Special precautions for user** • None specified.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** • Data lacking.

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**SARA Hazard Classifications** • Acute

State Right To Know		
Component	CAS	PA
Proprietary	Proprietary	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Proprietary	Proprietary	Yes	No	Yes	Yes	No

  

Inventory (Con't.)			
Component	CAS	Korea KECL	TSCA
Proprietary	Proprietary	Yes	Yes

### Canada

#### Labor

Canada - WHMIS 1988 - Classifications of Substances

• Proprietary

Proprietary D2B

Canada - WHMIS 1988 - Ingredient Disclosure List

• Proprietary

Proprietary 1 %

#### Environment

Canada - CEPA - Priority Substances List

• Proprietary

Proprietary Not Listed

**China****Environment****China - Ozone Depleting Substances - First Schedule**

•Proprietary

Proprietary Not Listed

**China - Ozone Depleting Substances - Second Schedule**

•Proprietary

Proprietary Not Listed

**China - Ozone Depleting Substances - Third Schedule**

•Proprietary

Proprietary Not Listed

**Other****China - Annex I & II - Controlled Chemicals Lists**

•Proprietary

Proprietary Not Listed

**China - Dangerous Goods List**

•Proprietary

Proprietary Not Listed

**Germany****Labor****Germany - Immission Control - Qualifying Quantities for Major Accident Prevention**

•Proprietary

Proprietary Not Listed

**Germany - Immission Control - Qualifying Quantities for Safety Reporting**

•Proprietary

Proprietary Not Listed

**Germany - TRGS 505 - Specific Lead Regulations**

•Proprietary

Proprietary Not Listed

**Germany - TRGS 511 - Specific Ammonium Nitrate Regulations**

•Proprietary

Proprietary Not Listed

**Environment****Germany - TA Luft - Types and Classes**

•Proprietary

Proprietary Not Listed

**Germany - TA Luft - Emission Limits for Carcinogenic Substances**

•Proprietary

Proprietary Not Listed

**Germany - TA Luft - Emission Limits for Fibers**

•Proprietary

Proprietary Not Listed

**Germany - TA Luft - Emission Limits for Inorganic Dusts**

•Proprietary

Proprietary Not Listed

**Germany - TA Luft - Emission Limits for Inorganic Gases**

•Proprietary

Proprietary Not Listed

**Germany - TA Luft - Emission Limits for Organic Substances**

•Proprietary

Proprietary Not Listed

**Germany - Water Classification (VwVwS) - Annex 1**

•Proprietary

Proprietary Not Listed

**Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes**

•Proprietary

Proprietary ID Number 449, hazard class 2 - hazard to waters

**Germany - Water Classification (VwVwS) - Annex 3**

•Proprietary

Proprietary Not Listed

**United States****Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

•Proprietary

Proprietary Not Listed

**U.S. - OSHA - Specifically Regulated Chemicals**

•Proprietary

Proprietary Not Listed

**Environment****U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

•Proprietary

Proprietary Not Listed

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

•Proprietary

Proprietary 1000 lb final RQ; 454 kg final RQ

**U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities**

•Proprietary

Proprietary Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

• <i>Proprietary</i>		<i>Proprietary</i>	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs			
• <i>Proprietary</i>		<i>Proprietary</i>	Not Listed
U.S. - CERCLA/SARA - Section 313 - Emission Reporting			
• <i>Proprietary</i>		<i>Proprietary</i>	Not Listed
U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing			
• <i>Proprietary</i>		<i>Proprietary</i>	Not Listed

## United States - California

### Environment

U.S. - California - Proposition 65 - Carcinogens List		<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>			
U.S. - California - Proposition 65 - Developmental Toxicity		<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>			
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)		<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>			
U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)		<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>			
U.S. - California - Proposition 65 - Reproductive Toxicity - Female		<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>			
U.S. - California - Proposition 65 - Reproductive Toxicity - Male		<i>Proprietary</i>	Not Listed
• <i>Proprietary</i>			

## United States - Pennsylvania

### Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List			
• <i>Proprietary</i>		<i>Proprietary</i>	
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances			
• <i>Proprietary</i>		<i>Proprietary</i>	Not Listed

## 15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

### Section 16 - Other Information

<b>Revision Date</b>	• 28/February/2017
<b>Preparation Date</b>	• 28/February/2017
<b>Disclaimer/Statement of Liability</b>	• Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product.

#### Key to abbreviations

NDA = No Data Available