

## SAFETY DATA SHEET

<b>GLASS RENEW</b>	<b>SDS Number : GR-822</b>	<b>Revision Date: 05/25/2015</b>
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**1. PRODUCT AND COMPANY IDENTIFICATION:**

Product Name: GLASS RENEW  
 Product Code: GR-822  
 Product Use: Glass Cleaning Compound  
 Synonyms: Solid, Granular Organic Acid Based Glass Cleaner  
 Chemical Formula: Mixture of substances listed below with nonhazardous additions  
 Restrictions: Institutional, Commercial and Retail Glass Cleaning Use Only




**Manufacturer:** Surtec, Inc.  
 1880 N. MacArthur Dr  
 Tracy, CA 95376  
 209.820.3700  
 Toll Free 800.877.6330

**Emergency contact: Chemtrec** 800.424.9300  
 CCN No. 21541

**2. HAZARD IDENTIFICATION:**

**GHS CLASSIFICATION:**

<u>HEALTH</u>	<u>ENVIRONMENTAL</u>	<u>PHYSICAL</u>
<p><i>Skin Irritation: Category 2</i>  <i>Eye Irritation: Category 2</i>  <i>Carcinogenicity: Category 1A</i>  <i>Specific target organ toxicity, single exposure: Category 3 (Respiratory System)</i>  <i>Specific target organ toxicity, repeated exposure: Category 2 (Lungs)</i></p>	<p><i>Acute Toxicity: None Known</i>  <i>Chronic Toxicity: None Known</i></p>	<p><i>None</i></p>
<p><b><u>GHS Pictogram</u></b></p> 	<p><b><u>Signal Word:</u></b>  <b>Danger</b></p>	
<p><b><u>Hazard Statements</u></b>                      Causes skin irritation                      Causes serious eye irritation                      May cause respiratory irritation                      May cause cancer through prolonged and repeated exposure                      May cause damage to organs through prolonged or repeated exposure</p>		
<p><b><u>Precautionary Statements</u></b></p> <p>Obtain special instructions before use                      Wear respiratory protection/protective gloves/protective clothing/eye protection/face protection.                      Do not breathe mists, vapors or spray.</p> <p>IF IN EYES: Rinse with water for several minutes. Do not rub. Continue rinsing. If irritation occurs and persists, get medical attention.                      IF ON SKIN: Wash with soap and water. If irritation occurs and persists, get medical attention.                      IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.                      IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention if you feel unwell.</p>		

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Store in a closed container.  
Dispose of contents/container in accordance with local regulation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT	CAS NO.	PERCENT	HAZARDOUS
AMORPHOUS SILICA – NATURAL DIATOMITE	61790-53-2	60-80%	YES
SULFAMIC ACID	5329-14-6	25-30	YES
NONYLPHENOL POLYETHYLENE GLYCOL ETHER	127087-87-0	1-2%	YES
LIMONENE	5989-27-5	1-2%	YES
QUARTZ (CRYSTALLINE SILICA)	14808-60-7	<1.5%	YES
Exact Percentages are being withheld as trade secret information.			

### 4. FIRST-AID MEASURES:

**Eye Contact:** Rinse with water for several minutes. Do not rub. Continue rinsing. If irritation occurs and persists, get medical attention.

**Skin Contact:** Wash with soap and water. If irritation occurs and persists, get medical attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Get medical attention if you feel unwell.

### 5. FIRE-FIGHTING MEASURES:

**Fire Extinguishing media:** Use water spray, dry chemical, carbon dioxide or regular foam. Move containers away from fire area if can be done without risk.

**Hazards during fire-fighting:**

Containers may rupture when exposed to extreme heat.

**Protective equipment for fire-fighting:**

Wear NFPA-approved self-contained breathing apparatus, helmet, hood, boots and gloves.

### 6. ACCIDENTAL RELEASE MEASURES:

**Personal precautions:**

Use recommended personal protective clothing and equipment.

**Environmental precautions:**

Follow all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off of work area, and material should be absorbed, collected and disposed of in accordance with regulations. Keep product from entering storm drains. Consult local and federal guidelines for proper disposal of these materials.

**Cleanup:**

Shovel or vacuum up, then transfer to suitable container for disposal.

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### 7. HANDLING and STORAGE:

**Handling:**

**General advice** - No specific measures are necessary provided product and recommended protective clothing/equipment are used correctly. Product may be used in conjunction with other Surtec cleaners. Consult Surtec for specific information. Otherwise, do not mix with other chemicals. This is a commercial product, not intended for home use. Keep out of reach of children.

**Storage:**

**General advice** - Protect against physical damage. Store in tightly closed containers in a cool, well ventilated area.

**Shelf Life:**

12 months minimum

### 8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

***Advice on system design:***

Provide local exhaust ventilation to control vapors for published exposure limits.

***Personal protective equipment (HMIS rating 'E'):***

**Eye protection:** Wear safety glasses with side shields or safety goggles to prevent exposure or full face shield if splash hazard exists.

**Skin protection:** Chemical-resistant gloves. Wear appropriate protective clothing to prevent possible skin contact.

**Respiratory protection:** Use proper NIOSH-OSHA particulate respirator.

**General safety and hygiene measures:** Exercise stringent hygiene practices to minimize exposure.

If contact occurs, wash any body part with soap and water immediately. Wash hands after use, and before eating, drinking or smoking.

***Other protective measures:***

Nearby running water on the job site is necessary, should an accident occur.

***Exposure Guidelines:***

ACGIH TLV: 0.025 mg/m<sup>3</sup> respirable particles(14808-60-7)

STEL: Not Established (14808-60-7)

OSHA PEL: 10 mg/m<sup>3</sup> respirable particles(14808-60-7)

### 9. PHYSICAL and CHEMICAL PROPERTIES:

Appearance:	Moist Tan Granular Solid	Flash Point:	None
Odor:	Citrus	Upper/Lower Flammability Limits:	No information available
pH value:	1.0±0.5 (20% solution in water)	Relative Density (water):	2.3
Specific gravity:	2.3	Auto-Ignition Temperature:	No information available
Solidification temperature:	No information available	Decomposition temperature:	No information available
Freezing/Melting point:	N/A	Partition Coefficient	No information available
Boiling point:	N/A	Odor Threshold	No information available
Vapor density:	No information available	Viscosity:	N/A
Vapor pressure:	No information available	Partition Coefficient	No information available
Evaporation Rate:	No information available	Solubility in water:	30%
Regulatory VOC:	<1.0% by weight		

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### 10. STABILITY and REACTIVITY:

**Conditions to avoid:** None

**Substances to avoid:** Strong acids, bases, alkalis.

**Hazardous reactions:** Product is chemically inert and stable under normal conditions of use and storage.

**Decomposition or By-products:** In fire conditions: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) nitric oxides (NO<sub>x</sub>) and acid vapors.

### 11. TOXICOLOGY INFORMATION:

**Note:** This product contains crystalline silica (a known carcinogen) and the potential for generation of respirable particles exists during its use. Generation of breathable particles may be prevented by using this product according to directions and any inhalation of breathable particles may be prevented by the use of proper respiratory protection.

**Acute Toxicity (Symptoms):**

**Oral:** Unlikely to occur. Minor irritation of the mouth and throat. Ingestion may cause nausea, vomiting, and diarrhea.

**Eye irritation:** Serious irritation, redness, itching, tearing and possible corneal damage.

**Skin irritation:** Irritation, itching, redness, swelling.

**Inhalation:** May cause respiratory irritation including nasal and throat discomfort.

**Sensitization:** Skin: N/A. Respiratory: N/A

**Target Organ Effects - Single Exposure: (Respiratory System):** May cause respiratory irritation if dry, respirable materials are inhaled. Unlikely to occur if material is used wet, according to directions.

**Chronic Toxicity:**

**Target Organ Effects – Repeated Exposure: (Respiratory System):** Long term, overexposure to dust may result in silicosis, a respiratory disease caused by inhalation of silica dust, which can lead to inflammation and fibrosis of the lung tissue.

**Carcinogenicity** - This product contains crystalline silica which is listed by IARC, ACGIH, OSHA and NTP as a known and/or suspected lung carcinogen. Generation of breathable particles of crystalline silica is unlikely during normal use, since product for use under wet conditions.

### 12. ECOLOGICAL INFORMATION:

**Biodegradation:**

Test method: Unspecified

Analysis method: Unspecified

Degree of elimination: Not expected to biodegrade.

**Environmental toxicity:**

Acute and prolonged toxicity to fish: Not Established

Toxicity to microorganisms: Not Established

Other ecotoxicological advice: Not Established

### 13. DISPOSAL CONSIDERATIONS:

**Waste disposal of substance:** Dispose of in accordance with all Federal, State and Local regulations when storing and disposing of substances. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA (EPA regulations for hazardous waste).

**Container disposal:** Dispose of in a licensed facility in accordance with local regulations.

**RCRA:**

Unspecified.

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## 14. TRANSPORTATION INFORMATION:

**DOT:**

**Proper Shipping Name:** CLEANING COMPOUND (NON-HAZARDOUS)

## 15. REGULATORY INFORMATION:

### Federal Regulations:

**Registration status:**

TSCA, US:

All components are listed or exempt.

**SARA hazard category (EPCRA 311/312):**

Acute health hazard

Chronic health hazard

**SARA TITLE III, SECTION 313:**

CAS Number: \_\_\_\_\_ Chemical Name:

None

### State Regulations:

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

CAS Number: \_\_\_\_\_ Chemical Name:

14808-60-7

Silica, crystalline, quartz

## 16. OTHER INFORMATION:

### **NFPA Rating:**

Health: 1      Fire: 0      Reactivity: 0      Special Hazard: none

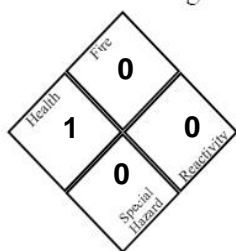
### **HMIS III Rating:**

Health: 1      Flammability: 0      Physical Hazard: 0

Personal Protection: E (safety glasses with side shields, chemical-resistant gloves and particulate respirator)

*Both NFPA and HMIS III rating systems use a numbering scale that ranges from 0 to 4 to indicate the degree of hazard. A value of zero means the substance possesses no hazard while a value of four indicates high hazard.*

NFPA Rating



HMIS Rating

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

**Prepared by:** Surtec, Inc. 05/25/2015 **Revision No.:** 01

### **Local Contact Information:**

Surtec, Inc.

209-820 3700; Toll Free 800-877-6330 (8 a.m. to 5 p.m., M-F, PST)

[www.surtecsystem.com](http://www.surtecsystem.com)

**Notice:** The information provided is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be

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generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

**Warranty:** This is a proprietary SURTEC product, warranted to be of uniform quality within our stringent manufacturing tolerances. As no control is exercised over product use, no warranty is made as to the effects of such use (neither expressed nor implied). Obligation of the seller and manufacturer under this warranty shall be limited to a refund of the purchase price of that portion of the material proven to be defective. The user assumes all other risk and liability resulting from uses of this product. Contact SURTEC with any questions regarding this policy.