

# SAFETY DATA SHEET

PRODUCT CODE: 2203

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Protector SS  
**PRODUCT CODES:** 2203

**MANUFACTURER:** The Garland Company, Inc.  
**STREET ADDRESS:** 3800 East 91<sup>st</sup>. Street  
**CITY, STATE, ZIP:** Cleveland, Ohio 44105

The Garland Company, Inc.  
209 Carrier Drive  
Toronto, Ontario M9W 5Y8



**INFORMATION PHONE:** 800-762-8225  
**EMERGENCY PHONE:** Chemtrec 800-262-8200

**PREPARED BY:** Bill Belardo

**DATE REVISED:** 05-26-2015

**Chemical Name or Class:** silane/siloxane solution

## SECTION 2: HAZARDS IDENTIFICATION

### Hazard Overview

**GHS Classification:** Not classified as dangerous according to the regulations

**GHS Label Elements and Precautionary Statements:**

**Label Elements:** None

**Hazard Statements:**

None

**Precautionary statements:**

P102 Keep out of reach of children.

P103 Read label before use

P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves and clothing to prevent skin contact.

**Response:**

P302 + P352 IF ON SKIN: wash with plenty of soap and water.

P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

P321 Specific treatment (see ... on this label).

P362 + P364 take off contaminated clothing and wash it before reuse

**Disposal:**

P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws.

### HMIS HAZARD CLASSIFICATION

**HEALTH:** 1      **FLAMMABILITY:** 0      **REACTIVITY:** 0      **PERSONAL PROTECTIVE EQUIPMENT:** G

### POTENTIAL HEALTH EFFECTS

**EYES:**

MAY CAUSE IRRITATION OR OTHER ALLERGIC RESPONSES.

**SKIN:**

MAY CAUSE IRRITATION OR OTHER ALLERGIC RESPONSES.

**INGESTION:**

NONE KNOWN (NOT EXPECTED IN INDUSTRIAL USE)

**INHALATION:**

MIST MAY SERIOUSLY IRRITATE NOSE, THROAT, AND LUNGS DEPENDING ON CONCENTRATION AND DURATION OF EXPOSURE.

INHALATION OF AEROSOLS OR AMINOFUNCTIONAL SILOXANES MAY CAUSE TOXIC LUNG EFFECTS. NEUROTIC EFFECTS POSSIBLE, LUNG DAMAGE IS POSSIBLE.

**HEALTH HAZARDS (ACUTE AND CHRONIC):**

EYE OR SKIN IRRITATION MAY RESULT FROM EXPOSURE. NEUROTOXIC EFFECTS POSSIBLE FROM INHALATION. LUNG DAMAGE IS POSSIBLE WITH HIGH CONCENTRATIONS OR REPEATED EXPOSURE.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

SENSITIZATION OR POSSIBLE ALLERGIC REACTION CAN BE CAUSED BY REPEATED EXPOSURE.

**CARCINOGENICITY**

OSHA: NO      NTP: NO      IARC: NO

**ADDITIONAL CARCINOGENICITY INFORMATION:**

RE: Ethanol (CAS# 64-17-5): carcinogenicity: A4 (ACGIH)

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| <u>INGREDIENT</u>        | <u>CAS NO.</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> | <u>OSHA STEL</u> | <u>WEIGHT %</u> |
|--------------------------|----------------|-----------------|------------------|------------------|-----------------|
| ALCOHOL POLYGLYCOL ETHER | 9043-30-5      | NONE            | NONE             | NONE             | 10-30           |
| OCTYL TRIETHOXY SILANE   | 35435-21-3     | NONE            | NONE             | NONE             | 10-30           |
| WATER                    | 7732-18-5      | NONE            | NONE             | NONE             | 30-60           |

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\*ETHANOL (as a hydrolysis byproduct) 64-17-1 1000ppm 1000ppm NONE varies

\*\*\*TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372 ARE PRESENT.\*\*\*

Note: Ingredients listed without percentages, the percentages are considered a trade secret.

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## SECTION 4: FIRST AID MEASURES

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### EYES:

IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES AND SEEK MEDICAL ATTENTION.

### SKIN:

FLUSH SKIN IMMEDIATELY WITH WATER FOR 15 MINUTES AND SEEK MEDICAL ATTENTION IMMEDIATELY IF NECESSARY.

### INGESTION:

INDUCE VOMITING AND SEEK MEDICAL ATTENTION. ALLOW VICTIM TO DRINK AS MUCH COLD WATER AS POSSIBLE.

### INHALATION:

REMOVE TO FRESH AIR AND RECEIVE MEDICAL ATTENTION IF ILL EFFECTS PERSIST.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

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## SECTION 5: FIRE-FIGHTING MEASURES

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FLAMMABLE LIMITS IN AIR,  
(% by volume)

UPPER: not available

LOWER: not available

FLASH POINT: ° F >200

### METHOD USED:

SETA FLASH

### EXTINGUISHING MEDIA:

FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

### SPECIAL FIRE FIGHTING PROCEDURES:

SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS.

### UNUSUAL FIRE AND EXPLOSION HAZARDS:

VAPORS ARE HEAVIER THAN AIR AND CAN TRAVEL ALONG THE GROUND TO IGNITION SOURCES.

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## SECTION 6: RELEASE MEASURES

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### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

WEAR APPROPRIATE SAFETY EQUIPMENT WHEN HANDLING MATERIAL. DIKE MATERIAL AND TAKE UP WITH ABSORBANT TO SALVAGE CONTAINER.

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## SECTION 7: HANDLING AND STORAGE

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### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

WEAR SUITABLE PROTECTIVE CLOTHING TO AVOID CONTACT WITH MATERIAL. WEAR NEOPRENE OR RUBBER GLOVES. WEAR SPLASH GOGGLES WITH SIDE SHIELDS. STORE AWAY FROM HIGH HEAT, CONTACT WITH FLAMES AND/OR SPARKS. KEEP MATERIAL IN SEALED CONTAINERS THAT ARE PROPERLY LABELED. DO NOT ALLOW MATERIAL TO FREEZE.

### OTHER PRECAUTIONS:

USE GENERAL SAFETY PRECAUTIONS WHEN USING THIS MATERIAL. WASH HANDS BEFORE USING TOILET FACILITIES. REMOVE CONTAMINATED CLOTHING PROMPTLY.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### RESPIRATORY PROTECTION:

USE A SUITABLE NIOSH APPROVED RESPIRATOR UNLESS ADEQUATE VENTILATION IS PROVIDED. AVOID THE INHALATION OF ANY MISTS THAT MAY BE GENERATED IN THE APPLICATION PROCESS.

### VENTILATION:

PROVIDE FOR ADEQUATE GENERAL AND LOCAL VENTILATION TO PREVENT EXCEEDING LEVELS AS PRESCRIBED BY LAW.

### PROTECTIVE GLOVES:

RUBBER OR NEOPRENE

### EYE PROTECTION:

SPLASH GOGGLES WITH SIDE SHIELDS.

### OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

PROVIDE NECESSARY CLOTHING AND SAFETY EQUIPMENT TO PREVENT CONTACT WITH MATERIAL.

### WORK HYGIENIC PRACTICES:

SEE SECTION THREE FOR OCCPATIONAL EXPOSURE LIMIT VALUES.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE AND ODOR:** TRANSPARENT WHITE OR COLORLESS LIQUID WITH SLIGHT ODOR  
**BOILING POINT OR RANGE:** ° F - 212  
**VAPOR DENSITY (AIR = 1):** N/A  
**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.0  
**EVAPORATION RATE:** N/A  
**SOLUBILITY IN WATER:** SOLUBLE

**Odor Threshold:** N/A  
**pH:** N/A  
**Melting point/freezing point:** N/A  
**Vapor Pressure:** N/A  
**Auto Ignition Temperature:** N/A  
**Partition Coefficient: n-octanol/water:** N/A  
**Decomposition Temperature:** N/A

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## SECTION 10: STABILITY AND REACTIVITY

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**STABILITY:**  
**STABLE**  
**CONDITIONS TO AVOID (STABILITY):**  
**NONE KNOWN**  
**INCOMPATIBILITY (MATERIAL TO AVOID):**  
**AVOID CONTACT WITH OXIDIZING MATERIALS**  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**  
**CARBON OXIDES AND TRACES OF INCOMPLETE CARBON COMPOUNDS, SILOCON DIOXIDE (HIGH HEAT), METAL OXIDES, AND FORMALDEHYDE**  
**HAZARDOUS POLYMERIZATION:**  
**WILL NOT OCCUR**

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## SECTION 11: TOXICOLOGICAL INFORMATION

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Toxicological testing has not been performed with this material. Primary Irritation to eyes – not irritating (rabbit) – Conclusion by analogy.

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## SECTION 12: ECOLOGICAL INFORMATION

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No ecological data exists for this product. The hydrolysis by product (Ethanol) is readily biodegradable, silicone content is not biologically degradable. Bioaccumulation is not expected to occur. According to past experience, toxicity to fish is improbable.

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## SECTION 13: WASTE DISPOSAL

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

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## SECTION 14: Transport Information

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**DOT:** Not Regulated

**IMO/MDG:** Not Regulated

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## SECTION 15: REGULATORY INFORMATION

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All components are on the TSCA list. This Material Does not contain any OSHA or WHIMS reportable hazardous ingredients. All components are on the AICS, EINECS, ECL, ENCS and Canada DSL lists. WHIMIS hazard class: None.  
Product (as a byproduct of hydrolysis) may generate ethanol (CAS# 67-55-1), which is a Hazardous air pollutant (HAP).

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## SECTION 16: OTHER INFORMATION

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**DISCLAIMER:** The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

**N/A = Not Available**  
**See Section 1 for date of preparation**

