



# Green-Lock Plus Membrane Adhesive

## Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 02/24/2021

Date of issue: 01/11/2019

### SECTION 1: IDENTIFICATION

#### Product Identifier

**Product Form:** Mixture

**Product Name:** Green-Lock Plus Membrane Adhesive

**Product Code:** 7305-5-S

#### Intended Use of the Product

Interlay membrane adhesive for roof construction. For professional-use only.

#### Name, Address, and Telephone of the Responsible Party

##### **Manufacturer**

The Garland Company, Inc.  
3800 East 91<sup>st</sup> Street  
Cleveland, Ohio 44105-2197  
T-800-762-8225  
F-216-641-0633  
www.garlandco.com

##### **Supplier**

The Garland Company, Inc.  
3800 East 91<sup>st</sup> Street  
Cleveland, Ohio 44105-2197  
T-800-762-8225  
F-216-641-0633  
www.garlandco.com

Garland Canada, Inc.  
209 Carrier Drive  
Toronto, Ontario M9W 5Y8  
T-416-747-7995  
F-416-747-1980  
www.garlandco.com

#### Emergency Telephone Number

**Emergency Number:** 1-800-262-8200 (CHEMTREC)

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

##### **Classification (GHS-US)**

Toxic Repro. 1B	H360
Eye Irrit. 2A	H319
Skin Sens. 1	H317

#### Label Elements

##### **GHS-US Labeling**

##### **Hazard Pictograms (GHS-US)**



##### **Signal Word (GHS-US)**

: Danger

##### **Hazard Statements (GHS-US)**

: H360 – May damage fertility or the unborn child  
H317 – May cause an allergic skin reaction  
H319 – Causes serious eye irritation

##### **Precautionary Statements (GHS-US)**

: P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P261 - Avoid breathing vapor/ spray.  
P264 - Wash contaminated skin thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P302+P352 - If on skin: Wash with plenty of water.  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - If exposed or concerned: Get medical advice/ attention.  
P321 - Specific treatment (see medical advice on this label).  
P333+P313 - If skin irritation or rash occurs: Get medical advice/ attention.  
P337+P313 - If eye irritation persists: Get medical advice/ attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P405 - Store locked up.  
P501 - Dispose of contents/container to an approved landfill.

# Green-Lock Plus Membrane Adhesive

## Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 02/24/2021 Date of issue: 01/11/2019

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Component

Name	Product Identifier	% (w/w)
Calcium Carbonate	(CAS No) 1317-65-3	30-60
Proprietary Polymer		10-30
Proprietary Dehydration Agent		<1
Carbon Black	(CAS No) 1333-86-4	<1
Proprietary Adhesion Promotor		<1
Proprietary catalyst		<1

### SECTION 4: FIRST AID MEASURES

- First-aid measures general:** IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation:** IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after skin contact:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
- First-aid measures after eye contact:** 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.
- First-aid measures after ingestion:** IF SWALLOWED: Get immediate medical attention. Do not induce vomiting.

### SECTION 5: FIRE-FIGHTING MEASURES

#### Extinguishing Media

**Suitable Extinguishing Media:** Use carbon dioxide, regular dry chemical, regular foam or water.

#### Advice for Firefighters

**Fire Fighting Procedures:** Move material from fire area if it can be done without risk. Cool containers with water. Avoid inhalation of vapors or combustion by-products. Use extinguishing agents appropriate for surrounding fire. Dike for later disposal. Stay upwind and keep out of low areas.

**Protection During Firefighting:** Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Wear personal protective clothing and equipment, see Section 8. Keep unnecessary people away, isolate hazard area and deny entry. Only personnel trained for the hazards of this material should perform clean up and disposal.

#### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Keep out of waterways.

#### Methods and Materials for Containment and Cleaning Up

**For Containment and Cleaning Up:** Ventilate the area. Stop leak if possible without personal risk. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Avoid release to the environment.

### SECTION 7: HANDLING AND STORAGE

#### Precautions for Safe Handling

**General Handling:** Do not handle until all safety precautions have been read and understood. Do not breathe vapor or mist. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Always wear recommended personal protective equipment. Wear personal protective clothing and equipment, see Section 8. Wash thoroughly after handling.

#### Conditions for Safe Storage

**General:** Store and handle in accordance with all current regulations and standards. Keep container tightly closed. Keep separated from incompatible substances.

**Incompatibilities:** Strong acids, strong oxidizing materials

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

# Green-Lock Plus Membrane Adhesive

## Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 02/24/2021 Date of issue: 01/11/2019

Chemical Name	ACGIH TLV	OSHA PEL	IDLH
Calcium Carbonate		15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	1100 ppm
Proprietary Polymer	50 ppm 8 hr TWA	500 ppm 8-hr TWA	
Proprietary Dehydration Agent	TWA: 2 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	25 mg/m <sup>3</sup>
Carbon Black	TWA – 3 mg/m <sup>3</sup>	TWA - 3.5 mg/m <sup>3</sup>	1750 mg/m <sup>3</sup>

### Personal Protective Equipment

- Eye/face Protection:** Wear splash resistant safety goggles with a face-shield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
- Skin Protection:** Wear appropriate chemical resistant clothing.
- Respiratory Protection:** Use an approved respirator if exposure limits are exceeded or if irritation develops or persists.
- Hand Protection:** Wear impervious gloves such as vinyl to minimize contact with skin.



**Environmental Exposure Controls:** Avoid release to the environment. No specific controls are needed.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

- Physical State** : Flowable Paste
- Color** : Dark Bronze to Black
- Odor** : characteristic
- Relative evaporation rate (butyl acetate=1)** : Not applicable
- Solubility** : Not applicable
- Flash Point – Closed Cup** : >205 °C (400° F) TAG
- VOC** : 0 g/L

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** No reactivity hazard is expected. See the other subsections of this section for further details.

**Chemical Stability:** Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

**Possibility of Hazardous Reactions:** No potentially hazardous reactions known

**Conditions to Avoid:** There are no known conditions that are likely to result in a hazardous situation.

**Incompatible Materials:** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

**Hazardous Decomposition Products:** Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Calcium Carbonate (1317-65-3)	>6450 mg/kg		

### Information on Likely Routes of Exposure

**Inhalation:** May be harmful if inhaled.

**Ingestion:** May be harmful if swallowed.

**Skin Contact:** May cause irritation of the skin. May cause irritation, redness, itching and burning.

# Green-Lock Plus Membrane Adhesive

## Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 02/24/2021 Date of issue: 01/11/2019

**Eye Contact:** May cause irritation of the eyes. Contact may cause tearing, redness, a stinging or burning feeling, swelling, and blurred vision.

**Immediate Effects:** Skin irritation, eye irritation

**Delayed Effects:** No information is available.

**Medical Conditions Aggravated by Exposure:** Skin disorders, eye disorders

**Irritation/Corrosivity Data:** Causes skin, eye and respiratory irritation.

**Respiratory Sensitization:** No information available for the product.

**Dermal Sensitization:** No information available for the product.

**Germ Cell Mutagenicity:** No information available for the product.

**Carcinogenicity:** Based on available data the classification criteria are not met.

**IARC carcinogenicity:** Contains a substance which may be potentially carcinogenic. IARC Group 2B Possibly carcinogenic to humans.

**Component Carcinogenicity:** Not Applicable

**Reproductive Toxicity:** May damage fertility or the unborn child

**Specific Target Organ Toxicity - Single Exposure:** No target organs identified.

**Specific Target Organ Toxicity - Repeated Exposure:** No target organs identified.

**Aspiration Hazard:** No information available for the product.

## SECTION 12: ECOLOGICAL INFORMATION

Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

### Component Analysis - Aquatic Toxicity

**Persistence and Degradability:** No information available for the product.

**Bioaccumulation:** No information available for the product.

**Mobility:** No information available for the product.

**Biodegradation:** No information available for the product.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of in accordance with local, state, and federal regulations.

**Unused and Contaminated Product:** Empty containers should be taken for local recycling, recovery or waste disposal.

## SECTION 14: TRANSPORT INFORMATION

**In Accordance with DOT:** Not regulated for transport

**In Accordance with IMDG:** Not regulated for transport

**In Accordance with IATA:** Not regulated for transport

**In Accordance with TDG:** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### USA

#### Federal Regulations:

None of products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**Acute Health:** No **Chronic Health:** Yes **Fire:** No **Pressure:** No **Reactive:** No

#### State Regulations:

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	RI	CA	MA	MN	NJ	PA
Calcium Carbonate	1317-65-3	Yes	No	Yes	Yes	Yes	Yes
Carbon Black	1333-86-4	Yes	Yes	Yes	Yes	Yes	Yes

### California Proposition 65

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains a chemical known to the state of California to cause cancer.

WARNING! This product contains a chemical known to the state of California to cause reproductive / developmental effects.

## SECTION 16: OTHER INFORMATION

# Green-Lock Plus Membrane Adhesive

## Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: 02/24/2021      Date of issue: 01/11/2019

---

<b>Revision Date</b>	:	February 24, 2021
<b>Other Information</b>	:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.
<b>Party Responsible for the Preparation of This Document</b>	:	The Garland Company, Inc. 3800 East 91 <sup>st</sup> Street Cleveland, Ohio 44105-2197 T-1800-762-8225 F-216-641-0633

*This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.*