



## Safety Data Sheet

Prepared in Accordance with HCS 29  
C.F.R. 1910.1200

### 1. Identification of the Substance/Mixture and the Company/Undertaking

- 1.1 Product Identifier** S510C1NL **Revision Date:** 12/05/2022
- Product Name:** CARBOGUARD 510 **Supersedes Date:** 10/09/2019  
PART C
- 1.2 Relevant identified uses of the substance or mixture and uses advised against** Component of multicomponent industrial coatings - Industrial use.
- 1.3 Details of the supplier of the safety data sheet**
- Manufacturer:** Carboline Global Inc.  
2150 Schuetz Road  
St. Louis, MO USA 63146
- Regulatory / Technical Information:  
Contact Carboline Technical Services at  
1-800-848-4645
- Datasheet Produced by:** Schlereth, Ken - regulatory@carboline.com
- 1.4 Emergency telephone number:** CHEMTREC 1-800-424-9300 (Inside US)  
CHEMTREC +1 703 5273887 (Outside US)  
HEALTH - Pittsburgh Poison Control 1-412-681-6669

### 2. Hazard Identification

#### 2.1 Classification of the substance or mixture

Carcinogenicity, category 1A  
Serious Eye Damage, category 1  
STOT, repeated exposure, category 1  
Skin Irritation, category 2  
Skin Sensitizer, category 1

**2.2 Label elements****Symbol(s) of Product****Signal Word**

Danger

**Named Chemicals on Label**

MICROCRYSTALLINE SILICA, PORTLAND CEMENT

**HAZARD STATEMENTS**

|                                     |         |   |
|-------------------------------------|---------|---|
| Skin Irritation, category 2         | H315    | Causes skin irritation.   |
| Skin Sensitizer, category 1         | H317    | May cause an allergic skin reaction.                            |
| Serious Eye Damage, category 1      | H318    | Causes serious eye damage.                                      |
| Carcinogenicity, category 1A        | H350-1A | May cause cancer.   |
| STOT, repeated exposure, category 1 | H372    | Causes damage to organs through prolonged or repeated exposure. |

**PRECAUTION PHRASES**

|              |   |
|--------------|---|
| P201         | Obtain special instructions before use.   |
| P202         | Do not handle until all safety precautions have been read and understood.   |
| P260         | Do not breathe dust/fume/gas/mist/vapours/spray.  |
| P264         | Wash hands thoroughly after handling.   |
| P280         | Wear protective gloves/protective clothing/eye protection/face protection.  |
| P284         | Wear respiratory protection.  |
| P301+310     | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.   |
| P302+352     | IF ON SKIN: Wash with plenty of soap and water.   |
| P305+351+338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. |
| P308+313     | IF exposed or concerned: Get medical advice/attention   |
| P314         | Get medical advice/attention if you feel unwell.  |
| P333+313     | If skin irritation or rash occurs: Get medical advice/attention.  |

**2.3 Other hazards**

No Information

**Results of PBT and vPvB assessment:**

Unknown

**3. Composition/Information On Ingredients****3.2 Mixtures****Hazardous ingredients**

| <u>Name According to EEC</u> | <u>EINEC No.</u> | <u>CAS-No.</u> | <u>%</u> | <u>Classifications</u> |   |
|------------------------------|------------------|----------------|----------|------------------------|---|
| MICROCRYSTALLINE SILICA      | 238-878-4        | 14808-60-7     | 75 - 100 | H350-372               | Carc. 1A, STOT RE 1                     |
| PORTLAND CEMENT              | 266-043-4        | 65997-15-1     | 10 - <25 | H315-317-318           | Eye Dam. 1, Skin Irrit. 2, Skin Sens. 1 |

| <u>CAS-No.</u> | <u>M-Factors</u> |
|----------------|------------------|
| 14808-60-7     | 0                |
| 65997-15-1     | 0                |

**Additional Information:** The text for GHS Hazard Statements shown above (if any) is given in Section 16.

## 4. First-aid Measures

### 4.1 Description of First Aid Measures

**AFTER INHALATION:** Remove person to fresh air. If signs/symptoms continue, get medical attention.

**AFTER SKIN CONTACT:** Wash with water and soap as a precaution.

**AFTER EYE CONTACT:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**AFTER INGESTION:** Consult a physician if necessary.

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

No Information

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

No Information

## 5. Fire-fighting Measures

### 5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No Information

**FOR SAFETY REASONS NOT TO BE USED:** No Information

### 5.2 Special hazards arising from the substance or mixture

No Information

### 5.3 Advice for firefighters

**SPECIAL FIREFIGHTING PROCEDURES:** In the event of fire, wear self-contained breathing apparatus.

**SPECIAL FIREFIGHTING PROTECTION EQUIPMENT:** None.

## 6. Accidental Release Measures

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

No Information

### 6.2 Environmental precautions

Protect against water.

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

Avoid breathing dust.

### 6.4 Reference to other sections

No Information

## 7. Handling and Storage

### 7.1 Precautions for safe handling

**INSTRUCTIONS FOR SAFE HANDLING :** No special precautions required. Do not breathe vapours or spray mist.

**PROTECTION AND HYGIENE MEASURES :** Remove dust, fly and finish residues through ventilation or vacuum cleaning. If in eyes or on skin, rinse well with water. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust.

**7.2 Conditions for safe storage, including any incompatibilities****CONDITIONS TO AVOID:** Exposure to moisture.**STORAGE CONDITIONS:** Keep container closed when not in use.**7.3 Specific end use(s)**

No Information

**8. Exposure Controls/Personal Protection****8.1 Control parameters****Ingredients with Occupational Exposure Limits (US)**

| <u>Name</u>             | <u>CAS-No.</u> | <u>ACGIH TWA</u> | <u>ACGIH STEL</u> | <u>ACGIH Ceiling</u> |
|-------------------------|----------------|------------------|-------------------|----------------------|
| MICROCRYSTALLINE SILICA | 14808-60-7     | 0.025 MGM3       | N/E               | N/E                  |
| PORTLAND CEMENT         | 65997-15-1     | 1 MGM3           | N/E               | N/E                  |

| <u>Name</u>             | <u>CAS-No.</u> | <u>OSHA PEL</u> | <u>OSHA STEL</u> |
|-------------------------|----------------|-----------------|------------------|
| MICROCRYSTALLINE SILICA | 14808-60-7     | 0.05 MGM3       | N/E              |
| PORTLAND CEMENT         | 65997-15-1     | 5 MGM3 15 MGM3  | N/E              |

**FURTHER ADVICE:** No Information**8.2 Exposure controls****Personal Protection****RESPIRATORY PROTECTION:** Dust safety masks are recommended when the dust concentration is more than 10 mg/m3.**EYE PROTECTION:** Safety glasses with side-shields.**HAND PROTECTION:** Long sleeved clothing. For prolonged or repeated contact use protective gloves.**OTHER PROTECTIVE EQUIPMENT:** Ensure that eyewash stations and safety showers are close to the workstation location.**ENGINEERING CONTROLS:** Use with adequate ventilation.**9. Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

|   |                   |
|---|-------------------|
| <b>Appearance:</b>                                  | White Powder      |
| <b>Physical State</b>                               | Solid             |
| <b>Odor</b>   | No Odor           |
| <b>Odor threshold</b>                               | N/D               |
| <b>pH</b>   | N/A               |
| <b>Melting point / freezing point (°C)</b>          | N/D               |
| <b>Boiling point/range (°C)</b>                     | N/A - N/A         |
| <b>Flash Point (°C)</b>                             | None              |
| <b>Evaporation rate</b>                             | Slower Than Ether |
| <b>Flammability (solid, gas)</b>                    | N/D               |
| <b>Upper/lower flammability or explosive limits</b> | N/A - N/A         |
| <b>Vapour Pressure, mmHg</b>                        | N/A               |

|   |         |
|---|---------|
| <b>Vapour density</b>                         | N/A     |
| <b>Relative density</b>                       | N/D     |
| <b>Solubility in / Miscibility with water</b> | N/D     |
| <b>Partition coefficient: n-octanol/water</b> | N/D     |
| <b>Auto-ignition temperature (°C)</b>         | N/D     |
| <b>Decomposition temperature (°C)</b>         | N/D     |
| <b>Viscosity</b>                              | Unknown |
| <b>Explosive properties</b>                   | N/D     |
| <b>Oxidising properties</b>                   | N/D     |
| <b>9.2 Other information</b>                  |         |
| <b>VOC Content g/l:</b>                       | <0.5    |
| <b>Specific Gravity (g/cm3)</b>               | 2.745   |

## 10. Stability and Reactivity

### 10.1 Reactivity

No Information

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

Exposure to moisture.

### 10.5 Incompatible materials

No Information

### 10.6 Hazardous decomposition products

None known.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

**Acute Toxicity:**

Oral LD50: N/D

Inhalation LC50: N/D

**Irritation:** Skin Irritation, category 2

**Corrosivity:** Serious Eye Damage, category 1

**Sensitization:** Skin Sensitizer, category 1

**Repeated dose toxicity:** Unknown

**Carcinogenicity:** Carcinogenicity, category 1A

**Mutagenicity:** Unknown

**Toxicity for reproduction:** Unknown

**STOT-single exposure:** Unknown

**STOT-repeated exposure:** STOT, repeated exposure, category 1

**Aspiration hazard:** Unknown

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:

| <u>CAS-No.</u> | <u>Chemical Name</u>    | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> | <u>Gas LC50</u> | <u>Dust/Mist LC50</u> |
|----------------|-------------------------|------------------|--------------------|-------------------|-----------------|-----------------------|
| 14808-60-7     | MICROCRYSTALLINE SILICA | 22500 mg/kg      | Not Available      | Not Available     | 0.000           | 0.000                 |
| 65997-15-1     | PORTLAND CEMENT         | Not Available    |                    | Not Available     | 0.000           | 0.000                 |

**Additional Information:**

The cement contained within this product may cause dermal sensitization due to the potential presence of trace amounts of hexavalent chromium. Constituents of this product may include crystalline silica which, if inhalable, may cause silicosis, a form or progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group 1 carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline silica is also listed by the NTP as a known human carcinogen. This classification is relevant when exposed to Quartz (silicon dioxide) in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities. Constituents may also include abestiform or non-asbestiform tremolite or other silicates as impurities, and above dei minimus exposure to these impurities in inhalable form may be carcinogenic or cause other serious lung problems.

## 12. Ecological Information

### 12.1 Toxicity:

EC50 48hr (Daphnia): Unknown

IC50 72hr (Algae): Unknown

LC50 96hr (fish): Unknown

|  |         |
|--|---------|
| 12.2 Persistence and degradability:      | Unknown |
| 12.3 Bioaccumulative potential:          | Unknown |
| 12.4 Mobility in soil:                   | Unknown |
| 12.5 Results of PBT and vPvB assessment: | Unknown |
| 12.6 Other adverse effects:              | Unknown |

| <u>CAS-No.</u> | <u>Chemical Name</u>    | <u>EC50 48hr</u> | <u>IC50 72hr</u> | <u>LC50 96hr</u> |
|----------------|-------------------------|------------------|------------------|------------------|
| 14808-60-7     | MICROCRYSTALLINE SILICA | No information   | No information   | No information   |
| 65997-15-1     | PORTLAND CEMENT         | No information   | No information   | No information   |

### 13. Disposal Considerations

13.1 WASTE TREATMENT METHODS: Dispose of in accordance with local regulations.

### 14. Transport Information

|   |               |
|---|---------------|
| 14.1 UN number  | N/A           |
| 14.2 UN proper shipping name  | Not Regulated |
| Technical name  | N/A           |
| 14.3 Transport hazard class(es)   | None          |
| Subsidiary shipping hazard  | N/A           |
| 14.4 Packing group  | N/A           |
| 14.5 Environmental hazards  | Unknown       |
| 14.6 Special precautions for user   | Unknown       |
| EmS-No.:  | N/A           |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code | Unknown       |

### 15. Regulatory Information

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

#### U.S. Federal Regulations: As follows -

##### CERCLA - Sara Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Carcinogenicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure)

##### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No SARA 313 substances exist in this product above de minimis concentrations.

**Toxic Substances Control Act:**

All components of this product are either listed on the TSCA Inventory or are exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

**U.S. State Regulations: As follows -****New Jersey Right-to-Know:**

The following materials are non-hazardous, but are among the top five components in this product.

No NJ Right-To-Know components exist in this product.

**Pennsylvania Right-To-Know**

The following non-hazardous ingredients are present in the product at greater than 3%.

No PA Right-To-Know components exist in this product.

**CALIFORNIA PROPOSITION 65**

WARNING: Cancer and Reproductive Harm -- [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**International Regulations: As follows -****\* Canadian DSL:**

All chemical ingredients included on inventory (DSL)

**15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**16. Other Information****Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

|      |   |
|------|---|
| H315 | Causes skin irritation.   |
| H317 | May cause an allergic skin reaction.                            |
| H318 | Causes serious eye damage.                                      |
| H350 | May cause cancer.   |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

**Reasons for revision**

No Information

The information contained herein is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.