



# SAFETY DATA SHEET

Issue Date 07-Apr-2016

Revision Date 31-Jul-2019

Version 2

CC.

Cem-Coat

## 1. IDENTIFICATION

### Product identifier

**Product Name** Cem-Coat

### Other means of identification

**Product Code** CC.

### Recommended use of the chemical and restrictions on use

**Recommended Use** Restricted to professional users.

**Uses advised against** Consumer use

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

| <b>Supplier Address</b>                                                   | <b>Manufacturer Address</b>                                               |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Solomon Colors, Inc.<br>4050 Color Plant Road<br>Springfield, IL<br>62702 | Solomon Colors, Inc.<br>4050 Color Plant Road<br>Springfield, IL<br>62702 |

**Company Phone Number** 800-624-0261 (US & Canada); 217-522-3112 (Outside North America)

**24 Hour Emergency Phone Number** 800-373-7542

## 2. HAZARDS IDENTIFICATION

### Classification

### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                                    |                                 |
|----------------------------------------------------|---------------------------------|
| Skin corrosion/irritation                          | Category 1                      |
| Serious eye damage/eye irritation                  | Category 1                      |
| Skin sensitization                                 | Category 1A                     |
| Carcinogenicity                                    | Category 1A                     |
| Specific target organ toxicity (single exposure)   | Category 3 (Respiratory System) |
| Specific target organ toxicity (repeated exposure) | Category 1 (Lungs)              |

### Label elements

#### **Emergency Overview**

#### **Danger**

#### **Hazard statements**

Causes severe skin burns and eye damage  
May cause an allergic skin reaction  
May cause cancer  
May cause respiratory irritation  
Causes damage to lungs through prolonged or repeated inhalation exposure.

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Cem-Coat



Overexposure to dust can cause chronic lung injury. Acute silicosis may develop in a short timewith heavy exposure. Silicosis can be progressive and may cause death.

**Appearance** Grey or colored powder                      **Physical state** Powder                      **Odor** Odorless

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Wash face, hands and any exposed skin thoroughly after handling  
 Contaminated work clothing must not be allowed out of the workplace  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
 Wash contaminated clothing before reuse  
 If skin irritation or rash occurs: Get medical advice/attention  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 Immediately call a POISON CENTER or doctor  
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

**Hazards not otherwise classified (HNOC)**

**Other Information**

- May be harmful if swallowed

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical nature**                      Mixture.

| Chemical Name              | CAS No.    | Weight-% | Trade Secret |
|----------------------------|------------|----------|--------------|
| Quartz, Crystalline Silica | 14808-60-7 | 80-90    | *            |
| Portland Cement            | 65997-15-1 | 10-20    | *            |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### Description of first aid measures

|                       |                                                                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b> | In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).                                                  |
| <b>Eye contact</b>    | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician. |
| <b>Skin Contact</b>   | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.                            |
| <b>Inhalation</b>     | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.                                         |
| <b>Ingestion</b>      | Rinse mouth. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Call a physician immediately.                                                        |

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

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms</b> | General: Prolonged or repeated inhalation may damage lungs.<br>Inhalation: May cause respiratory irritation, sneezing, coughing, burning sensation in the throat or constriction of the larynx, or difficulty breathing.<br>contact: Redness, irritation or pain.<br>Skin: Prolonged contact with large amounts of this product may cause mechanical irritation. Dust may cause irritation in skin folds or by contact in combination with tight clothing.<br>Ingestion: Abdominal pain.<br>Chronic symptoms: Shortness of breath, wheezing, cough and sputum production. May cause cancer, silicosis, lung disease, autoimmune disease, tuberculosis, and nephrotoxicity. |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

### Specific hazards arising from the chemical

No information available.

**Hazardous combustion products** Thermal decomposition can lead to the release of irritating gases and vapors. Carbon oxides. Metal Oxides. Oxides of sulfur.

### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

|                             |                                                                                                                                                                                                          |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b> | Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas. Avoid breathing dust/fume/gas/mist/vapors/spray. |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers. For disposal see section 13.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** Cement is reactive or incompatible with oxidizing materials, acids, aluminum, and ammonium salt. Cement is highly alkaline and will react violently with acids that can produce toxic gases or vapors. Silica reacts violently with oxidizing agents. Silicates dissolve readily in hydrofluoric acid and produces corrosive gas.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### Exposure Guidelines

| Chemical Name                            | ACGIH TLV                                                                                                                    | OSHA PEL                                                                                                                                                                                                                                                                                                                                                                      | NIOSH IDLH                                                                                                       |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Quartz, Crystalline Silica<br>14808-60-7 | TWA: 0.025 mg/m <sup>3</sup> respirable particulate matter                                                                   | TWA: 50 µg/m <sup>3</sup> TWA: 50 µg/m <sup>3</sup><br>excludes construction work, agricultural operations, and exposures that result from the processing of sorptive clays (vacated) TWA: 0.1 mg/m <sup>3</sup> respirable dust<br>: (250)/(%SiO <sub>2</sub> + 5) mppcf TWA respirable fraction<br>: (10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA respirable fraction | IDLH: 50 mg/m <sup>3</sup> respirable dust<br>TWA: 0.05 mg/m <sup>3</sup> respirable dust                        |
| Portland Cement<br>65997-15-1            | TWA: 1 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter | TWA: 15 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction<br>TWA: 50 mppcf <1% Crystalline silica                                                                                                                                            | IDLH: 5000 mg/m <sup>3</sup><br>TWA: 10 mg/m <sup>3</sup> total dust<br>TWA: 5 mg/m <sup>3</sup> respirable dust |

### Appropriate engineering controls

#### **Engineering Controls**

Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

|                                 |                                                                                                                                                                                                                                                                                                                         |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye/face protection</b>      | Wear safety glasses with side shields (or goggles).                                                                                                                                                                                                                                                                     |
| <b>Skin and body protection</b> | Wear protective gloves and protective clothing.                                                                                                                                                                                                                                                                         |
| <b>Respiratory protection</b>   | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |

#### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|                       |                          |                       |                          |
|-----------------------|--------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | Powder                   | <b>Odor</b>           | Odorless                 |
| <b>Appearance</b>     | Grey or colored powder   | <b>Odor threshold</b> | No information available |
| <b>Color</b>          | No information available |                       |                          |

| <u>Property</u>                      | <u>Values</u>                | <u>Remarks • Method</u> |
|--------------------------------------|------------------------------|-------------------------|
| <b>pH</b>                            | Expected to be basic         |                         |
| <b>Melting point/freezing point</b>  | > 1000 °C / 1832 °F          |                         |
| <b>Boiling point / boiling range</b> | No information available     |                         |
| <b>Flash point</b>                   | Not Flammable or Combustible |                         |
| <b>Evaporation rate</b>              | No applicable                |                         |
| <b>Flammability (solid, gas)</b>     | No information available     |                         |
| <b>Flammability Limit in Air</b>     |                              |                         |
| <b>Upper flammability limit:</b>     | No information available     |                         |
| <b>Lower flammability limit:</b>     | No information available     |                         |
| <b>Vapor pressure</b>                | No information available     |                         |
| <b>Vapor density</b>                 | No information available     |                         |
| <b>Specific Gravity</b>              | No information available     |                         |

|                                     |                           |
|-------------------------------------|---------------------------|
| <b>Water solubility</b>             | Slightly soluble in water |
| <b>Solubility in other solvents</b> | No information available  |
| <b>Partition coefficient</b>        | No information available  |
| <b>Autoignition temperature</b>     | No information available  |
| <b>Decomposition temperature</b>    | No information available  |
| <b>Kinematic viscosity</b>          | Not applicable            |
| <b>Dynamic viscosity</b>            | Not applicable            |
| <b>Explosive properties</b>         | Not applicable            |
| <b>Oxidizing properties</b>         | Not applicable            |

**Other Information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | No information available |
| <b>Density</b>          | No information available |
| <b>Bulk density</b>     | No information available |

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Freezing conditions will damage product.

**Incompatible materials**

Cement is reactive or incompatible with oxidizing materials, acids, aluminum, and ammonium salt. Cement is highly alkaline and will react violently with acids that can produce toxic gases or vapors. Silica reacts violently with oxidizing agents. Silicates dissolve readily in hydrofluoric acid and produces corrosive gas.

**Hazardous Decomposition Products**

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides. Sulfur oxides. Metal oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

|                            |                                                                                                                                                            |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Information</b> | No data available                                                                                                                                          |
| <b>Inhalation</b>          | Harmful by inhalation.                                                                                                                                     |
| <b>Eye contact</b>         | Avoid contact with eyes. Risk of serious damage to eyes.                                                                                                   |
| <b>Skin Contact</b>        | Irritating to skin. May cause burns in the presence of moisture. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. |
| <b>Ingestion</b>           | May be harmful if swallowed. Can burn mouth, throat, and stomach.                                                                                          |

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                                          |                                                                                                                          |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Skin corrosion/irritation</b>         | May cause serious burns in the presence of moisture.                                                                     |
| <b>Serious eye damage/eye irritation</b> | May cause serious burns in the presence of moisture.                                                                     |
| <b>Sensitization</b>                     | Repeated or prolonged contact may cause allergic reactions in very susceptible persons.                                  |
| <b>Germ cell mutagenicity</b>            | Not classified. (Based on mixture components).                                                                           |
| <b>Carcinogenicity</b>                   | May cause cancer by inhalation. The table below indicates whether each agency has listed any ingredient as a carcinogen. |

| Chemical Name                            | ACGIH | IARC    | NTP   | OSHA |
|------------------------------------------|-------|---------|-------|------|
| Quartz, Crystalline Silica<br>14808-60-7 | A2    | Group 1 | Known | X    |

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A2 - Suspected Human Carcinogen*

*IARC (International Agency for Research on Cancer)*

*Group 1 - Carcinogenic to Humans*

*The International Agency for Research on Cancer ("IARC") concluded that there was "sufficient evidence in humans for the carcinogenicity of crystalline silica in the forms of quartz or cristobalite. Crystalline silica in the form of quartz or cristobalite dust causes cancer of the lung", and that there is "sufficient evidence in experimental animals for the carcinogenicity of quartz dust" The overall IARC evaluation was that "crystalline silica quartz or cristobalite dust is carcinogenic to humans (Group 1)."*

*NTP (National Toxicology Program)*

*Known - Known Carcinogen*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

|                                 |                                                                                                                                                                                                                                                                                                   |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reproductive toxicity</b>    | Not classified. (Based on mixture components).                                                                                                                                                                                                                                                    |
| <b>STOT - single exposure</b>   | Target Organs. Respiratory system.                                                                                                                                                                                                                                                                |
| <b>STOT - repeated exposure</b> | Causes damage to lungs through prolonged or repeated exposure if inhaled. Overexposure to dust can cause chronic lung injury such as chronic silicosis, accelerated silicosis, and acute silicosis. Several studies have also reported excess cases of kidney diseases in silica exposed workers. |
| <b>Aspiration hazard</b>        | Not classified. (Based on mixture components).                                                                                                                                                                                                                                                    |

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 5119 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

This product has not been fully evaluated on the product level.

### Persistence and degradability

No information available.

### Bioaccumulation

No information available.

### Mobility

Slightly soluble in water.

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### **Disposal of wastes**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

#### **Contaminated packaging**

Do not reuse container. Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

### DOT

Not regulated



## 15. REGULATORY INFORMATION

### International Inventories

|                      |                 |
|----------------------|-----------------|
| <b>TSCA</b>          | Complies        |
| <b>DSL/NDSL</b>      | Complies        |
| <b>EINECS/ELINCS</b> | Complies        |
| <b>ENCS</b>          | Does not comply |
| <b>IECSC</b>         | Complies        |
| <b>KECL</b>          | Complies        |
| <b>PICCS</b>         | Does not comply |
| <b>AICS</b>          | Complies        |

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

See section 2 for more information

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### **California Proposition 65**

This product contains the following Proposition 65 chemicals

| Chemical Name                           | California Proposition 65                                               |
|-----------------------------------------|-------------------------------------------------------------------------|
| Quartz, Crystalline Silica - 14808-60-7 | Carcinogen                                                              |
| Lead - 7439-92-1                        | Carcinogen<br>Developmental<br>Female Reproductive<br>Male Reproductive |
| Nickel Compounds - RR-00800-4           | Carcinogen                                                              |
| Hexavalent chromium - 18540-29-9        | Carcinogen<br>Developmental<br>Female Reproductive<br>Male Reproductive |

#### **U.S. State Right-to-Know Regulations**

| Chemical Name                            | New Jersey | Massachusetts | Pennsylvania |
|------------------------------------------|------------|---------------|--------------|
| Quartz, Crystalline Silica<br>14808-60-7 | X          | X             | X            |
| Portland Cement<br>65997-15-1            | X          | X             | X            |

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|             |                  |                |                    |                                    |
|-------------|------------------|----------------|--------------------|------------------------------------|
| <u>NFPA</u> | Health hazards 3 | Flammability 0 | Reactivity 0       | Physical and Chemical Properties - |
| <u>HMIS</u> | Health hazards 3 | Flammability 0 | Physical hazards 0 | Personal protection X              |

**Prepared By** Solomon Colors - Lab Technical Services  
**Issue Date** 07-Apr-2016  
**Revision Date** 31-Jul-2019  
**Revision Note**

The product composition and classification was revised to reflect the most current composition. All sections of the SDS have been modified since the last revision.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**