

## SAFETY DATA SHEET

## 1. Identification

|                                      |   |
|--------------------------------------|---|
| <b>Product identifier</b>            | <b>Chockfast Red Aggregate</b>  |
| <b>Other means of identification</b> |   |
| <b>SKU#</b>                          | GP107A  |
| <b>Recommended use</b>               | Not available.  |
| <b>Recommended restrictions</b>      | Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations. |

## Manufacturer/Importer/Supplier/Distributor information

## Manufacturer

|                               |  |                |
|-------------------------------|--|----------------|
| <b>Company name</b>           | ITW Engineered Polymers  |                |
| <b>Address</b>                | 130 Commerce Drive<br>Montgomeryville, PA 18936<br>United States |                |
| <b>Telephone</b>              | Customer Service   | (215) 855-8450 |
| <b>Website</b>                | www.itwcoatings.com  |                |
| <b>E-mail</b>                 | orders@itwcoatings.com   |                |
| <b>Contact person</b>         | EHS Department   |                |
| <b>Emergency phone number</b> | CHEMTREC   | (800) 424-9300 |
|                               | International  | (703) 527-3887 |

## 2. Hazard(s) identification

|                              |                 |             |
|------------------------------|-----------------|-------------|
| <b>Physical hazards</b>      | Not classified. |             |
| <b>Health hazards</b>        | Carcinogenicity | Category 1A |
| <b>Environmental hazards</b> | Not classified. |             |
| <b>OSHA defined hazards</b>  | Not classified. |             |

## Label elements



|  |  |
|--|--|
| <b>Signal word</b>                               | Danger   |
| <b>Hazard statement</b>                          | May cause cancer.  |
| <b>Prevention</b>                                | Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. |
| <b>Response</b>                                  | Wash hands after handling.   |
| <b>Storage</b>                                   | Store locked up.   |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.  |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.  |
| <b>Supplemental information</b>                  | Not applicable.  |

## 3. Composition/information on ingredients

## Mixtures

| Chemical name                         | Common name and synonyms | CAS number | %        |
|---------------------------------------|--------------------------|------------|----------|
| Crystalline SiO <sub>2</sub> (Quartz) |                          | 14808-60-7 | 60 - 100 |
| Glass, Oxide                          |                          | 65997-17-3 | 10 - 30  |

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

|                   |   |
|-------------------|---|
| <b>Inhalation</b> | If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop. |
|-------------------|---|

|   |   |
|---|---|
| <b>Skin contact</b>   | Wash off with soap and water. Get medical attention if irritation develops and persists.  |
| <b>Eye contact</b>  | Rinse with water. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | Rinse mouth. Get medical attention if symptoms occur.   |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |
| <b>General information</b>  | IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

## 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).                                   |
| <b>Unsuitable extinguishing media</b>                                | None known.   |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire-fighting equipment/instructions</b>                          | In the event of fire, cool tanks with water spray.  |
| <b>Specific methods</b>  | Cool containers exposed to flames with water until well after the fire is out.                |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.   |

## 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| <b>Methods and materials for containment and cleaning up</b>               | The product is immiscible with water and will spread on the water surface. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.  |
| <b>Environmental precautions</b>   | Avoid discharge into drains, water courses or onto the ground.  |

## 7. Handling and storage

|   |  |
|---|--|
| <b>Precautions for safe handling</b>                                | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).   |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

| Components  | Type | Value                    | Form        |
|---|------|--------------------------|-------------|
| Crystalline SiO <sub>2</sub> (Quartz)<br>(CAS 14808-60-7) | TWA  | 0.3 mg/m <sup>3</sup>    | Total dust. |
|   |      | 0.1 mg/m <sup>3</sup>    | Respirable. |
|   |      | 2.4 millions of particle | Respirable. |

#### US. ACGIH Threshold Limit Values

| Components  | Type | Value                    | Form                 |
|---|------|--------------------------|----------------------|
| Crystalline SiO <sub>2</sub> (Quartz)<br>(CAS 14808-60-7) | TWA  | 0.025 mg/m <sup>3</sup>  | Respirable fraction. |
| Glass, Oxide (CAS 65997-17-3)                             | TWA  | 1 fibers/cm <sup>3</sup> | Fiber.               |
|   |      | 5 mg/m <sup>3</sup>      | Inhalable fraction.  |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components  | Type | Value                    | Form               |
|---|------|--------------------------|--------------------|
| Crystalline SiO <sub>2</sub> (Quartz)<br>(CAS 14808-60-7) | TWA  | 0.05 mg/m <sup>3</sup>   | Respirable dust.   |
| Glass, Oxide (CAS<br>65997-17-3)                          | TWA  | 3 fibers/cm <sup>3</sup> | Dust.              |
|   |      | 3 fibers/cm <sup>3</sup> | Fiber.             |
|   |      | 5 mg/m <sup>3</sup>      | Fiber, total       |
|   |      | 5 mg/m <sup>3</sup>      | fibers, total dust |

|  |   |
|--|---|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Exposure guidelines</b>   | Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.   |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles).   |
| <b>Hand protection</b>   | Wear protective gloves.   |
| <b>Skin protection</b>   |   |
| <b>Other</b>   | Wear appropriate chemical resistant clothing.   |
| <b>Respiratory protection</b>  | Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.   |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.   |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.   |

**9. Physical and chemical properties**

|   |                    |
|---|--------------------|
| <b>Appearance</b>                                   | Sand Like          |
| <b>Physical state</b>                               | Solid.             |
| <b>Form</b>   | Solid.             |
| <b>Color</b>  | Red or Gray        |
| <b>Odor</b>   | None.              |
| <b>Odor threshold</b>                               | Not available.     |
| <b>pH</b>   | 7                  |
| <b>Melting point/freezing point</b>                 | 3110 °F (1710 °C)  |
| <b>Initial boiling point and boiling range</b>      | 4226 °F (2330 °C)  |
| <b>Flash point</b>                                  | Not available.     |
| <b>Evaporation rate</b>                             | Not available.     |
| <b>Flammability (solid, gas)</b>                    | Not available.     |
| <b>Upper/lower flammability or explosive limits</b> |                    |
| <b>Flammability limit - lower (%)</b>               | Not available.     |
| <b>Flammability limit - upper (%)</b>               | Not available.     |
| <b>Explosive limit - lower (%)</b>                  | Not available.     |
| <b>Explosive limit - upper (%)</b>                  | Not available.     |
| <b>Vapor pressure</b>                               | 0 hPa estimated    |
| <b>Vapor density</b>                                | Not available.     |
| <b>Relative density</b>                             | Not available.     |
| <b>Solubility(ies)</b>                              |                    |
| <b>Solubility (water)</b>                           | insoluble in water |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.     |
| <b>Auto-ignition temperature</b>                    | Not available.     |
| <b>Decomposition temperature</b>                    | Not available.     |

Viscosity Not available.

**Other information**

Specific gravity 2.57

## 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

**Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.

**Conditions to avoid** Contact with incompatible materials.

**Incompatible materials** Powerful oxidizers. Chlorine.

**Hazardous decomposition products** No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

**Ingestion** Expected to be a low ingestion hazard.

**Inhalation** Prolonged inhalation may be harmful.

**Skin contact** No adverse effects due to skin contact are expected.

**Eye contact** Direct contact with eyes may cause temporary irritation.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

**Acute toxicity** Not available.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

### Respiratory or skin sensitization

**Respiratory sensitization** Not available.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

### Carcinogenicity

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) May cause cancer. According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Crystalline SiO<sub>2</sub> (Quartz) (CAS 14808-60-7)

1 Carcinogenic to humans.

Glass, Oxide (CAS 65997-17-3)

2B Possibly carcinogenic to humans.

3 Not classifiable as to carcinogenicity to humans.

#### US. National Toxicology Program (NTP) Report on Carcinogens

Crystalline SiO<sub>2</sub> (Quartz) (CAS 14808-60-7)

Known To Be Human Carcinogen.

Glass, Oxide (CAS 65997-17-3)

Reasonably Anticipated to be a Human Carcinogen.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not available.

**Chronic effects** Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

### **CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

### **SARA 304 Emergency release notification**

Not regulated.

### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)** Not regulated.

## Other federal regulations

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

### Safe Drinking Water Act (SDWA)

Not regulated.

## US state regulations

### US. Massachusetts RTK - Substance List

Crystalline SiO<sub>2</sub> (Quartz) (CAS 14808-60-7)

Glass, Oxide (CAS 65997-17-3)

### US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

### US. Pennsylvania RTK - Hazardous Substances

Crystalline SiO<sub>2</sub> (Quartz) (CAS 14808-60-7)

Glass, Oxide (CAS 65997-17-3)

### US. Rhode Island RTK

Not regulated.

### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Crystalline SiO<sub>2</sub> (Quartz) (CAS 14808-60-7)

Listed: October 1, 1988

Glass, Oxide (CAS 65997-17-3)

Listed: July 1, 1990

## International Inventories

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

|               |  |
|---------------|--|
| Issue date    | 06-20-2013   |
| Revision date | 02-11-2014   |
| Version #     | 02   |
| HMIS® ratings | Health: 1*<br>Flammability: 0<br>Physical hazard: 0  |
| NFPA ratings  | Health: 1<br>Flammability: 0<br>Instability: 0   |
| Disclaimer    | The information in the sheet was written based on the best knowledge and experience currently available. |

## Revision Information

Toxicological information: Reproductivity  
Toxicological information: Symptoms related to the physical, chemical and toxicological characteristics  
Toxicological information: Skin contact  
Toxicological information: Eye contact  
Toxicological information: Corrosivity  
Toxicological information: Ingestion  
Toxicological information: Inhalation  
Toxicological information: Skin contact  
Toxicological information: Eye contact  
Ecological information: Ecotoxicity  
Ecological information: Bioaccumulative potential  
Ecological information: Mobility in soil  
Disposal considerations: Local disposal regulations  
GHS: Classification