

# SAFETY DATA SHEET

Issuing Date 20-Jul-2015

Revision Date 27-Jul-2015

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

**Product Name** TC CERAMIC (Color varies)

### Other means of identification

**Synonyms** TC CERAMIC HB

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

**Recommended Use** Insulating Coating

**Uses advised against** Consumer use

### Supplier's details

#### **Manufacturer Address**

Capstone Manufacturing LLC  
1422- 10th Place N.  
Edmonds, WA 8020-2629  
TEL: 1-425-582-7413

### Emergency telephone number

**Emergency Telephone Number** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

Not classified

### GHS Label elements, including precautionary statements

#### Emergency Overview

**Signal Word**

None

The product contains no substances which at their given concentration are considered to be hazardous to health

**Appearance** Varies

**Physical State** Liquid.

**Odor** Slight acrylic

### **Precautionary Statements**

#### **Prevention**

- None

#### **General Advice**

- None

#### **Storage**

- None

**Disposal**

- None

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

0% of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms** TC CERAMIC HB

| Chemical Name    | CAS-No     | Weight % | Trade secret |
|------------------|------------|----------|--------------|
| Titanium dioxide | 13463-67-7 | 0-4      | *            |
| Carbon black     | 1333-86-4  | 0-2      | *            |

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

### 4. FIRST AID MEASURES

**Description of necessary first-aid measures**

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation persists.

**Skin Contact** Wash skin with soap and water. Get medical attention if irritation persists.

**Inhalation** If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

**Ingestion** IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell

**Most important symptoms/effects, acute and delayed**

**Most Important Symptoms/Effects** None known

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** 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** None

**Specific Hazards Arising from the Chemical**

No information available.

**Hazardous Combustion Products** Carbon oxides,

**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**

**Personal Precautions** None required for material as supplied.

**Environmental Precautions**

**Environmental Precautions** See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up**

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

**Methods for Cleaning Up** Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Handling** None required under normal usage.

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

**Storage** Protect from freezing. Do not store above 27°C / 80°F.

**Incompatible Products** Strong oxidizing agents.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

| Chemical Name                  | ACGIH TLV                  | OSHA PEL   | NIOSH IDLH  |
|--------------------------------|----------------------------|--|---|
| Titanium dioxide<br>13463-67-7 | TWA: 10 mg/m <sup>3</sup>  | TWA: 15 mg/m <sup>3</sup> total dust<br>(vacated) TWA: 10 mg/m <sup>3</sup> total dust | IDLH: 5000 mg/m <sup>3</sup>  |
| Carbon black<br>1333-86-4      | TWA: 3.5 mg/m <sup>3</sup> | TWA: 3.5 mg/m <sup>3</sup><br>(vacated) TWA: 3.5 mg/m <sup>3</sup>                     | IDLH: 1750 mg/m <sup>3</sup><br>TWA: 3.5 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup> Carbon black in presence of Polycyclic aromatic hydrocarbons PAH |

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.*

**Appropriate engineering controls**

**Engineering Measures** Showers, eyewash stations, and ventilation systems.

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

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and Body Protection** No protective equipment is needed under normal use conditions.

**Respiratory Protection** No protective equipment is needed under normal use conditions.

**Hygiene Measures** When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

|                       |                 |                       |                           |
|-----------------------|-----------------|-----------------------|---------------------------|
| <b>Physical State</b> | Liquid.         | <b>Appearance</b>     | Varies.                   |
| <b>Odor</b>           | Slight acrylic. | <b>Odor Threshold</b> | No information available. |

| <u>Property</u>                        | <u>Values</u>     | <u>Remarks/ - Method</u> |
|--|-------------------|--------------------------|
| pH                                     | No data available | None known               |
| Melting Point/Range                    | No data available | None known               |
| Boiling Point/Boiling Range            | >100 °C / >200 °F | None known               |
| Flash Point                            | No data available | None known               |
| Evaporation rate                       | No data available | None known               |
| Flammability (solid, gas)              | No data available | None known               |
| Flammability Limits in Air             |                   |                          |
| upper flammability limit               | No data available |                          |
| lower flammability limit               | No data available |                          |
| Vapor Pressure                         | No data available | None known               |
| Vapor Density                          | No data available | None known               |
| Specific Gravity                       | No data available | None known               |
| Water Solubility                       | No data available | None known               |
| Solubility in other solvents           | No data available | None known               |
| Partition coefficient: n-octanol/water | No data available | None known               |
| Autoignition Temperature               | No data available | None known               |
| Decomposition Temperature              | No data available | None known               |
| Viscosity                              | No data available | None known               |
| <b>Flammable Properties</b>            | Not flammable     |                          |
| <b>Explosive Properties</b>            | No data available |                          |
| <b>Oxidizing Properties</b>            | No data available |                          |
| <b><u>Other information</u></b>        |                   |                          |
| VOC Content (%)                        | No data available |                          |

## 10. STABILITY AND REACTIVITY

### **Reactivity**

No data available.

### **Chemical stability**

Stable under recommended storage conditions.

### **Possibility of hazardous reactions**

None under normal processing.

### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### **Conditions to avoid**

Do not freeze.

### **Incompatible materials**

Strong oxidizing agents.

### **Hazardous decomposition products**

Carbon oxides,

## 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure**

|                            |   |
|----------------------------|---|
| <b>Product Information</b> | Product does not present an acute toxicity hazard based on known or supplied information. |
| <b>Inhalation</b>          | There is no data available for this product.  |
| <b>Eye Contact</b>         | There is no data available for this product.  |
| <b>Skin Contact</b>        | There is no data available for this product.  |
| <b>Ingestion</b>           | There is no data available for this product.  |

**Component Information**

| Chemical Name    | LD50 Oral             | LD50 Dermal         | LC50 Inhalation          |
|------------------|-----------------------|---------------------|--------------------------|
| Titanium dioxide | > 10000 mg/kg ( Rat ) | -                   | > 6820 mg/m <sup>3</sup> |
| Carbon black     | -                     | > 3 g/kg ( Rabbit ) | -                        |

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** None known

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Sensitization** No information available.  
**Mutagenic Effects** No information available.  
**Carcinogenicity** This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not in a respirable form. This product contains titanium dioxide which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid. The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name    | ACGIH | IARC     | NTP | OSHA |
|------------------|-------|----------|-----|------|
| Titanium dioxide |       | Group 2B |     | X    |
| Carbon black     | A3    | Group 2B |     | X    |

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 2B - Possibly Carcinogenic to Humans

**OSHA: (Occupational Safety & Health Administration)**

X - Present

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product**

**Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Not Classified

63 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name             | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea)                |
|---------------------------|-------------------|------------------|----------------------------|---|
| Carbon black<br>1333-86-4 | -                 | -                | -                          | EC50 24 h: > 5600 mg/L<br>(Daphnia magna) |

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Waste Disposal Methods**

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 re-use empty containers.

**14. TRANSPORT INFORMATION****DOT**

Not regulated

**TDG**

Not regulated.

**MEX**

Not regulated

**15. REGULATORY INFORMATION****International Inventories****TSCA**

Complies

**DSL**

Complies

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

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**

|  |    |
|--|----|
| <b>Acute Health Hazard</b>               | No |
| <b>Chronic Health Hazard</b>             | No |
| <b>Fire Hazard</b>                       | No |
| <b>Sudden Release of Pressure Hazard</b> | No |
| <b>Reactive Hazard</b>                   | No |

**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.

**U.S. State Regulations**

**California Proposition 65**

The classification listed below only applies to respirable Titanium dioxide and respirable carbon black. Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage. This product contains the following Proposition 65 chemicals:

| Chemical Name    | CAS-No     | California Prop. 65 |
|------------------|------------|---------------------|
| Titanium dioxide | 13463-67-7 | Carcinogen          |
| Carbon black     | 1333-86-4  | Carcinogen          |
| Ethyl alcohol    | 64-17-5    | Developmental       |

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

This product does not contain any substances regulated by state right-to-know regulations.

| Chemical Name    | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|------------------|------------|---------------|--------------|----------|--------------|
| Titanium dioxide | X          | X             | X            | -        | X            |
| Carbon black     | X          | X             | X            | X        | X            |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION**

|             |                 |                |                   |                                 |
|-------------|-----------------|----------------|-------------------|---------------------------------|
| <b>NFPA</b> | Health Hazard 0 | Flammability 0 | Instability 0     | Physical and Chemical Hazards - |
| <b>HMIS</b> | Health Hazard 0 | Flammability 0 | Physical Hazard 0 | Personal Protection X           |

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

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**General Disclaimer**

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of Safety Data Sheet**