

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name TC CERAMIC (Color varies)

Synonyms TC CERAMIC HB
Pure substance/mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Insulating Coating

Uses advised against Consumer use

1.3. Details of the supplier of the safety data sheet

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

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

For further information, please contact

E-mail Address mlantz@nwlinc.com

1.4. Emergency telephone number

Emergency Telephone Number Chemtrec 1-800-424-9300

Europe 112

Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

Physical Hazards

None

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2.2. Label Elements

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

Signal Word

None

Hazard Statements

None

EUH210 - Safety data sheet available on request

2.3. Other information

No information available.

Section 3. Composition/information on ingredients

3.1. Substances

3.2. Mixtures

Chemical Name	EC-No	CAS-No	Weight %	EU - GHS Substance Classification	REACH No.
Titanium dioxide	236-675-5	13463-67-7	0-4		No data available
Carbon black	215-609-9 435-640-3	1333-86-4	0-2		No data available

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of 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 develops and persists.

Ingestion

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

Inhalation

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

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

Most Important Symptoms/Effects

None known.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

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

Extinguishing media which must not be used for safety reasons

None.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

None in particular.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

None required for material as supplied.

6.2. Environmental precautions

See Section 12 for additional Ecological Information.

6.3. Methods and materials for containment and 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.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

None required under normal usage.

Hygiene Measures

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

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Exposure Scenario

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Titanium dioxide 13463-67-7		STEL: 30 mg/m ³ STEL: 12 mg/m ³ TWA: 10 mg/m ³ TWA: 4 mg/m ³	TWA: 10 mg/m ³	TWA: 10 mg/m ³	
Carbon black 1333-86-4			VME: 3.5 mg/m ³	VLA-ED: 3.5 mg/m ³	
Component	Italy	Portugal	The Netherlands	Finland	Denmark
Titanium dioxide 13463-67-7 (0-4)		TWA: 10 mg/m ³			TWA: 6 mg/m ³
Carbon black 1333-86-4 (0-2)		TWA: 3.5 mg/m ³		TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Titanium dioxide 13463-67-7	STEL 10 mg/m ³ TWA: 5 mg/m ³	TWA: 3 mg/m ³	STEL: 30 mg/m ³ TWA: 10.0 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³
Carbon black 1333-86-4			NDS: 4.0 mg/m ³	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³	TWA: 3.5 mg/m ³ STEL: 7 mg/m ³

Derived No Effect Level

No information available

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls

Engineering Measures

Showers, eyewash stations, and ventilation systems.

Personal protective equipment

Eye Protection	Safety glasses with side-shields.
Skin and Body Protection	No protective equipment is needed under normal use conditions.
Hand Protection	Work gloves
Respiratory Protection	No protective equipment is needed under normal use conditions.

Environmental Exposure Controls

No information available.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid		
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	Appearance	Varies.	
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Odor	Slight acrylic		
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<u>Property.</u>	<u>Values</u>		

	Remarks/ - Method		
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pH	No data available		
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	None known		
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Melting Point/Range	No data available		
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	None known		
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Boiling Point/Boiling Range	> 100 °C / > 200 °F		
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	None known		
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Flash Point	No data available		
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	None known		
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Evaporation rate	No data available		
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	None known		
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Flammability (solid, gas)	No data available		
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	None known		
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Vapor Pressure	No data available		
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	None known		
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Vapor Density	No data available		
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	None known		
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Relative Density	No data available		
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	None known		
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Water Solubility	Insoluble

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	

Explosive Properties	No data available
Oxidizing Properties	No data available

9.2. Other information

VOC Content (%)	No information available
Flammability Limits in Air	No data available
Section 10. Stability and reactivity	
10.1. Reactivity	
No data available.	
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
None under normal processing.	
10.4. Conditions to avoid	
High temperatures. Do not freeze.	
10.5. Incompatible materials	
Strong oxidizing agents.	
10.6. Hazardous decomposition products	
Carbon oxides.	
Section 11. Toxicological information	
11.1. Information on toxicological effects	
Acute Toxicity	
Product Information	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation	There is no data available for this product.
Eye Contact	There is no data available for this product.
Skin Contact	There is no data available for this product.
Ingestion	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 ³
Carbon black		> 3 g/kg (Rabbit)	-
Sensitization	No information available.		
Mutagenic Effects	No information available.		
Carcinogenic Effects	This product contains titanium dioxide which is classified as an IARC 2B carcinogen based on laboratory studies where animals were exposed to titanium dioxide dust. Carbon black has been classified by the International Agency for Research on Cancer (IARC) as possibly carcinogenic to humans (Group 2B) by inhalation		
Reproductive Toxicity	No information available.		
Developmental Toxicity	No information available.		
STOT - single exposure	No information available.		
STOT - repeated exposure	No information available.		
Aspiration Hazard	No information available.		
Section 12. Ecological information			

12.1. Toxicity				
Ecotoxicity Effects				
Not classified				
Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Carbon black	-	-	-	EC50 24 h: > 5600 mg/L (Daphnia magna)
12.2. Persistence and degradability				
No information available.				
12.3. Bioaccumulative potential				
No information available.				
12.4. Mobility in soil				
No information available.				
12.5. Results of PBT and vPvB assessment				
No information available.				
12.6. Other adverse effects				
This product does not contain any known or suspected endocrine disruptors.				
Section 13. Disposal considerations				
13.1. Waste treatment methods				
Waste from Residues / Unused Products	Dispose of in accordance with local regulations.			
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.			
Other Information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.			
Section 14. Transport information				
IMDG/IMO				
14.1. UN-Number	Not regulated.			
14.2. Proper Shipping Name	Not regulated.			
14.3. Hazard Class	Not regulated.			
14.4. Packing Group	Not regulated.			
Description	Not applicable.			
14.5. Marine Pollutant	None.			
14.6. Special Provisions	None.			
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.			
RID				

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
ADR	
14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
ICAO	
14.1. UN-Number	Not regulated.
14.2. Proper shipping name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.
IATA	
14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

Section 15. Regulatory information

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

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Not determined
ENCS	Not determined
IECSC	Not determined
AICS	Not determined
KECL	Not determined

Legend

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

15.2. Chemical Safety Assessment

No information available

Section 16. Other information

Key literature references and sources for data

www.ChemADVISOR.com/

Issuing Date

20-Jul-2015

Revision Date

21-Sep-2015

Revision Note

New regional format.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

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