

# 105 Powdered Pigment

Safety Data Sheet



8/22/2022

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## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT

Product Name: 105 Powdered Pigment

Product Description: Dry Pigment additive for Series 105 Grout

Intended Use: Integrally coloring cement based products.

### COMPANY

Concrete Technology Inc.

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Largo, FL 33773

727 535 4651

[www.designcti.com](http://www.designcti.com)

[orders@flycti.com](mailto:orders@flycti.com)

800 262 8200 Chemtrec

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## SECTION 2 HAZARDS IDENTIFICATION

### Classification of substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

No need for classification according to GHS criteria for this product.

### GHS Label Elements

The product does not require a hazard warning label in accordance with GHS criteria.

### Hazard Symbol

None

### Other hazards which do not result in classification or are not covered by the GHS

Contact with dust can cause mechanical irritation or drying of the skin. Dust contact with the eyes can lead to mechanical irritation. May cause nose, throat and lung irritation.

### Hazard Ratings

HMIS

Health: 1

Flammability: 0

Reactivity: 0

NFPA

Health: 1

Flammability: 0

Reactivity: 0

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

The chemical identity and concentration ranges of all ingredients which are hazardous within the meaning of the GHS are present below their cut off levels (i.e. <0.1% for reproductive toxicity, carcinogenicity and category 1 mutagenicity and <1% for all other hazard classes.) The exact percentage composition has been withheld as a trade secret.

\* Based upon all available study results, DuPont scientists conclude titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

**SECTION 4 FIRST AID MEASURES**

**Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Skin Contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Ingestion:** Wash out mouth with water. Remove victim to fresh air and keep at rest in position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**Potential acute health effects**

Eye contact: May cause mechanical irritation (abrasion).

Inhalation: May cause mechanical irritation (abrasion).

Skin Contact: May cause mechanical irritation (abrasion).

Ingestion: No known significant effects or critical hazards.

**Over exposure signs/symptoms**

Eye contact: No specific data

Inhalation: No specific data

Skin contact: No specific data

Ingestion: No specific data

**Potential chronic health effects**

Long term exposure to high concentrations of dust containing iron oxide can cause a benign condition termed "pulmonary siderosis". This condition is not associated with any physical impairment or lung function.

**Notes to Physician**

Treat symptomatically. No specific treatment

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first aiders: No special measures required

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## **SECTION 5 FIRE FIGHTING MEASURES**

Extinguishing Media: Non-combustible. All extinguishing media can be used. Use suitable media appropriate for the surrounding fire.

Special Hazards: None

Unusual Fire and Explosion Hazard: None

Advice for firefighters: Firefighters should wear protective clothing and use equipment suitable for the materials involved in the surrounding fire. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

Personal precautions: Avoid dust generation. Keep unnecessary and unprotected personnel away from spill. Do not touch or walk through spilled material. Put on appropriate protective equipment.

Environmental precautions: Avoid dispersal of spilled material and runoff from contact with soil, waterways, drains and sewers.

Methods for clean-up: Dry spills may be scooped up. Attempt to prevent dry product (dust) from becoming airborne. Wet product may be scraped up and placed in appropriate disposal containers. Allow wet product to dry before disposal. Do not flush down drains.

## **SECTION 7 HANDLING AND STORAGE**

Handling: Avoid breathing dust. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where material is handled, stored and processed.

Conditions or safe storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink.

Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Empty containers or liners may retain some product residues.

**SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION**

Exposure Limit Values:

Component	Value/Source
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Limestone	PEL	15mg/ m3 (total dust)	5 mg/m3 (respirable fraction)	OSHA Z1
Titanium Dioxide 13463-67-7	TWA	4 mg/m3 (total dust)	1 mg/m3 (respirable fraction)	JSOH OEL's
Titanium Dioxide 13463-67-7	TWA	10mg/m3	No data available	ACGIH
Green Pigment 1328-53-6	TLV	0.5 mg/m3 (respirable fraction)	No data available	ACGIH
Green Pigment 1328-53-6	PEL	0.5 mg/m3 (total dust)	No data available	OSHA
Blue pigment 147-14-8	TLV	0.5 mg/m3 (respirable fraction)	No data available	ACGIH
Blue pigment 147-14-8	PEL	0.5 mg/m3 (total dust)	No data available	OSHA

**Exposure Controls**

Appropriate engineering controls: Use mechanical ventilation (dilution and local exhaust) to control exposure within applicable limits.

**Personal Protective Equipment**

Eye/Face protection: Safety glasses with side shields or goggles. In extremely dusty environments, wear unvented or indirectly vented goggles to avoid eye irritation or injury.

Skin protection: Wear impervious clothing to eliminate skin contact. Where needed wear boots that are impervious to water to eliminate foot and ankle exposure. Wear impervious gloves to eliminate skin contact.

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate.

Respirator selection, use and maintenance must be in accordance with regulatory requirements.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices.

Potential environmental effects: Not considered to be harmful to aquatic life.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES****General**

Physical state: powder

Color: varies

Odor: no distinct odor

Odor threshold: not available

#### Safety data

pH in water: 6-10.2 (5% water suspension)

Melting point: Not available

Boiling point: Not available

Flash point: Not available

Freeze point: Not available

Evaporation rate: not applicable

Vapor pressure (mm Hg.): not applicable

Relative density: 2.7-4.5 g/cm<sup>3</sup>

#### SECTION 10 STABILITY AND REACTIVITY

Chemical stability: stable under normal storage conditions

Possibility of hazardous reactions: None under normal conditions of storage and use.

Conditions to avoid: No specific data

Incompatible materials: Strong acids

Hazardous decomposition products: None

#### SECTION 11 TOXICOLOGICAL INFORMATION

##### Component Information

Chemical Name	Oral LD 50	Inhalation LC 50
Limestone 1317-65-3	6450 mg/kg (Rat)	No data available
Titanium dioxide 1 3463-67-7	>5000 mg/kg (Rat)	No data available
Black Pigment 1317-61-9	>5000 mg/kg (Rat)	No data available
Yellow pigment 51274-00-1	>10000 mg/kg (Rat)	>195 g/m <sup>3</sup> 2 weeks (Rat)
Red Pigment 1309-37-1	>5000 mg/kg (Rat)	>210 g/m <sup>3</sup> 2 weeks (Rat)
Green Pigment 1328-53-6	>10g/kg (Rat)	No data available
Blue Pigment 147-14-8	>10 g/kg (Rat)	No data available

Route of Exposure	Conclusion/Remarks
Inhalation	May cause irritation
Ingestion	May cause burns to mouth, throat and stomach
Skin	Dries skin and mucous membranes
Eye	Slightly irritating, not classified

Sensitization: Does not cause sensitization

Mutagenicity: No data available

Carcinogenicity: Based upon all available study results, DuPont scientists conclude titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

Reproductive toxicity: No data available

Specific target organ toxicity – single exposure: None

Specific target organ toxicity – repeated exposure: No data available

Aspiration Hazard: No data available

## Section 12 Ecological Information

Chemical Name	CAS No	Fish LC 50	Algae/aquatic plants EC 50	Crustacea EC 50
Titanium Dioxide	13463-67-7	Pimephales promelas 1000 mg/L 96h	Pseudokirchneriella subcapitata 61 mg/L 72h	Daphnia magna 1000 mg/L 48h
Black pigment	1317-61-9	Danio rerio 100000 mg/L 96h	No data available	Daphnia magna 10000 mg/L 48h
Yellow pigment	51274-00-1	Danio rerio 100000 mg/L 96h	No data available	Daphnia magna 100 mg/L 48h
Red pigment	1309-37-1	Danio rerio 50000 mg/L 96h	No data available	Daphnia magna 100 mg/L 48h
Green pigment	1328-53-6	Danio rerio 10000 mg/L	No data available	No data available
Blue pigment	147-14-8	Danio rerio 10000 mg/L 96h	No data available	No data available

Persistence and degradability: No data available

Bio accumulative potential: None

Mobility in soil: No data available

Other adverse effects: No data available

**Section 13 Disposal Considerations**

Methods of disposal: Dispose of contents/container in accordance with local/regional/national/international regulations

**Section 14 Transport Information**

DOT: This product is not regulated for transport

ARD/RID: This product is not regulated for transport

IMDG: This product is not regulated for transport

IATA: This product is not regulated for transport

**Section 15 Regulatory Information**

US federal regulations: This product is not hazardous according to OSHA 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt.D): Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): None

CERCLA Hazardous Substance List (40 CFR 302.4): not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard Categories: None

SARA 302 Extremely hazardous substance: Not listed

SARA 311/312 Hazardous chemical: Not listed

SARA 313 (TRI reporting): none

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

Clean Water Act (CWA) Section 112(r) (40 CFR68.130): Not regulated.

Safe Drinking Water Act (SDWA): Not regulated

**U.S. State Regulations**

U.S. Massachusetts RTK – Substance List

U.S. New Jersey Worker and Community Right to Know Act

U.S. Pennsylvania Worker and Community Right to Know Law:

Limestone (CAS 1317-65-3)

Black Pigment (CAS 1317-61-9)

Yellow Pigment (CAS 51274-00-1)

Red Pigment (CAS 1309-37-1)

U.S. California Proposition 65: Potential exposure to some or all of the California 65 chemicals in this product have been determined to be below the No Significant Risk Level (NSRL).

**Section 16 Other Information**

Recommended restriction: for use by trained professionals, having read the complete SDS.

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*To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.*