



Hummel Croton Inc.  
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South Plainfield, NJ 07080  
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Phone: 908-754-1800  
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In Case Of Emergency Call Chemtrec®  
(U.S.) (800) 424-9300  
(International) (703) 527-3887

## Diatomaceous Earth Safety Data Sheet

### 1. Product and Company

Product name: Diatomaceous Earth

Synonym: Flux Calcinated Diatomaceous Earth

CAS-No.: 6855-54-9

Company: Hummel Croton Inc.  
10 Harmich Rd.  
South Plainfield, NJ 07080

Telephone: 908-754-1800  
Fax: 908-754-1815

HMIS Rating	
Health	1
Flammability	0
Reactivity	0
Personal Protection	E

Emergency telephone number

Emergency Phone #: Chemtrec US: 800-424-9300  
Chemtrec International: 703-527-3887

### 2. Hazards

GHS Classification Carcinogenicity (Category 1A), H350

#### GHS Label elements

Pictogram(s)



Signal word **DANGER**

Hazard statement(s)

H350 May cause cancer.

H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

#### Precautionary statement(s)

- P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P281 Use personal protective equipment as required.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P405 Store locked up.  
P501 Dispose of contents/ container to an approved waste disposal plant.

#### Hazards not otherwise classified (HNOC) or not covered by GHS

None.

### 3. Composition/Ingredients

#### Substance

Formula:  $\text{SiO}_2$   
Molecular weight: 80.05 g/mol  
CAS-No.: 6484-52-2

Material	CAS	%	OSHA	ACGIH
Diatomaceous Earth	68855-54-9-2	100%	See Below	See Below
Silicon Dioxide	14464-46-1	50-70%	0.05 mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup>
Quartz	14808-60-7	1-5%	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>

### 4. First Aid

**First Aid For Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**First Aid For Skin:** In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

**First Aid For Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**First Aid For Ingestion:** If swallowed, call a physician immediately.

### 5. Fire Data

Flammability: Non-Flammable

Flash Point: Not Applicable

Auto Ignition: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Non-Flammable material. Use extinguishing media appropriate to surrounding fire conditions.

Fire Fighting Procedure: Non-Flammable material.

Fire/Explosion Hazards: None

## 6. Accidental Release

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

## 7. Handling And Storage

Storage Temperatures: Store at ambient temperature

Shelf Life: Unlimited in tightly sealed container

Special Sensitivity: None

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

## 8. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

## 9. Physical And Chemical Properties

Physical Form: Fine Powder

Color: White

Odor: Odorless

Molecular Weight: N/A

Boiling Point: N/A

Melting/Freezing Point: N/A

Solubility In Water: Insoluble

Specific Gravity: 2.3

## 10. Stability And Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibilities: Hydrofluoric acid.

Instable Conditions: Excessive temperatures (see incompatibilities).

Decomposition Temperature: N/A

Decomposition Products: N/A

## 11. Toxicological Information

RTECS Number: N/A

Routes Of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data: LD50 Oral-Rat >2,000 mg/kg LC50 Inhalation-Rat 4 h >2.6 mg/L

Chronic Toxic Effects: This product contains crystalline silica, which is considered a hazard by inhalation. IARC has classified crystalline silica as carcinogenic for humans. Crystalline silica is also a known cause of silicosis, a non-cancerous lung disease.

Acute Toxic Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness

Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

## 12. Ecological Information

Ecotoxicity: Not available at this time.

## 13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

## 14. Transportation Information

Proper Shipping Name: Diatomaceous Earth

UN Number: N/A

Class: N/A

P.G.: N/A

Label Code:N/A

## 15. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List

California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive effects.

SARA 313 Title III:

Section 320 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

## **16. Other Information**

Prepared By: Michael Richard

Date: June 3, 2015

Reason For Issue: GHS Compliance

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