

## SAFETY DATA SHEET

Preparation Date: 6/6/2016

Revision Date: 6/6/2016

Revision Number: G1

### 1. IDENTIFICATION

#### Product identifier

**Product code:** C1196  
**Product Name:** CELITE(R) 545

#### Other means of identification

**Synonyms:** Kieselguhr, soda ash flux-calcined  
 Diatomaceous earth, flux-calcined  
**CAS #:** 68855-54-9  
**RTECS #** Not available  
**CI#:** Not available

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

**Recommended use:** No information available.  
**Uses advised against** No information available

**Supplier:** Spectrum Chemical Mfg. Corp  
 14422 South San Pedro St.  
 Gardena, CA 90248  
 (310) 516-8000  
**Order Online At:** <https://www.spectrumchemical.com>

**Emergency telephone number** Chemtrec 1-800-424-9300  
**Contact Person:** Martin LaBenz (West Coast)  
**Contact Person:** Ibad Tirmiz (East Coast)

### 2. HAZARDS IDENTIFICATION

#### Classification

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

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

|                                                    |             |
|----------------------------------------------------|-------------|
| Carcinogenicity                                    | Category 1B |
| Specific target organ toxicity (repeated exposure) | Category 1  |

#### Label elements

## Danger

### Hazard statements

May cause cancer

Causes damage to organs through prolonged or repeated exposure



### Hazards not otherwise classified (HNOC)

Not Applicable

### Other hazards

Not available

### Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

### Precautionary Statements - Response

*IF exposed or concerned: Get medical advice/attention*

### Precautionary Statements - Storage

Store locked up

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components                                                                                                                               | CAS-No.    | Weight % |
|------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|
| Diatomaceous Earth, flux-calcined (This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz)<br>68855-54-9 | 68855-54-9 | 100      |
| Cristobalite (crystalline silica)<br>14464-46-1                                                                                          | 14464-46-1 | <=50     |
| Quartz (Crystalline Silica)<br>14808-60-7                                                                                                | 14808-60-7 | <=4      |

## 4. FIRST AID MEASURES

### First aid measures

#### General Advice:

National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222

#### 4. FIRST AID MEASURES

|                                                                                   |                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin Contact:</b>                                                              | Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary. |
| <b>Eye Contact:</b>                                                               | Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.                                                         |
| <b>Inhalation:</b>                                                                | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.                                                 |
| <b>Ingestion:</b>                                                                 | Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.                                          |
| <b>Most important symptoms and effects, both acute and delayed</b>                |                                                                                                                                                                                  |
| <b>Symptoms</b>                                                                   | May cause eye/skin/respiratory tract irritation. Coughing and wheezing. Dyspnea (Difficulty breathing and shortness of breath). Sore throat. Dry throat. May cause silicosis.    |
| <b>Indication of any immediate medical attention and special treatment needed</b> |                                                                                                                                                                                  |
| <b>Notes to Physician:</b>                                                        | Treat symptomatically                                                                                                                                                            |

#### Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

#### 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

|                                      |                                                                                                                                          |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media:</b> | The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire. |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

|                                        |                           |
|----------------------------------------|---------------------------|
| <b>Unsuitable Extinguishing Media:</b> | No information available. |
|----------------------------------------|---------------------------|

#### Specific hazards arising from the chemical

|                                       |                           |
|---------------------------------------|---------------------------|
| <b>Hazardous Combustion Products:</b> | No information available. |
|---------------------------------------|---------------------------|

|                          |                           |
|--------------------------|---------------------------|
| <b>Specific hazards:</b> | No information available. |
|--------------------------|---------------------------|

#### Special Protective Actions for Firefighters

|                          |                           |
|--------------------------|---------------------------|
| <b>Specific Methods:</b> | No information available. |
|--------------------------|---------------------------|

|                                                       |                                                                                                                                       |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special Protective Equipment for Firefighters:</b> | 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:** Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Keep away from incompatible materials.

#### Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe vapors/dust. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

#### Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container.

#### Incompatible Materials:

Hydrofluoric acid. Fluoride. Oxygen difluoride. Chlorine trifluoride. Alkaline Solutions.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

### National occupational exposure limits

#### United States

| Components                                                                                                                                  | OSHA                                                                                                                                                                                                                           | NIOSH                      | ACGIH                                              | AIHA WHEEL |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------|------------|
| Diatomaceous Earth, flux-calcined<br>(This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz)<br>68855-54-9 | None                                                                                                                                                                                                                           | None                       | None                                               | None       |
| Cristobalite (crystalline silica)<br>14464-46-1                                                                                             | (1/2)(30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA<br>total dust<br>(1/2)(250)/(%SiO <sub>2</sub> + 5) mppcf TWA<br>respirable fraction<br>(1/2)(10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA<br>respirable fraction | 0.05 mg/m <sup>3</sup> TWA | 0.025 mg/m <sup>3</sup> TWA<br>respirable fraction | None       |
| Quartz (Crystalline Silica)<br>14808-60-7                                                                                                   | (30)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA<br>total dust<br>(250)/(%SiO <sub>2</sub> + 5) mppcf TWA<br>respirable fraction<br>(10)/(%SiO <sub>2</sub> + 2) mg/m <sup>3</sup> TWA<br>respirable fraction                | 0.05 mg/m <sup>3</sup> TWA | 0.025 mg/m <sup>3</sup> TWA<br>respirable fraction | None       |

## Canada

| Components                                                                                                                                  | Alberta                                            | British Columbia                       | Ontario                                                   | Quebec                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------|-----------------------------------------------------------|----------------------------------------------|
| Diatomaceous Earth, flux-calcined<br>(This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz)<br>68855-54-9 | None                                               | None                                   | None                                                      | None                                         |
| Cristobalite (crystalline silica)<br>14464-46-1                                                                                             | 0.025 mg/m <sup>3</sup> TWA respirable particulate | 0.025 mg/m <sup>3</sup> TWA respirable | 0.05 mg/m <sup>3</sup> TWA respirable Silica, crystalline | 0.05 mg/m <sup>3</sup> TWAEV respirable dust |
| Quartz (Crystalline Silica)<br>14808-60-7                                                                                                   | 0.025 mg/m <sup>3</sup> TWA respirable particulate | 0.025 mg/m <sup>3</sup> TWA respirable | 0.10 mg/m <sup>3</sup> TWA respirable Silica, crystalline | 0.1 mg/m <sup>3</sup> TWAEV respirable dust  |

## Australia and Mexico

| Components                                                                                                                                  | Australia                 | Mexico                     |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------|
| Diatomaceous Earth, flux-calcined<br>(This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz)<br>68855-54-9 | None                      | None                       |
| Cristobalite (crystalline silica)<br>14464-46-1                                                                                             | 0.1 mg/m <sup>3</sup> TWA | 0.05 mg/m <sup>3</sup> TWA |
| Quartz (Crystalline Silica)<br>14808-60-7                                                                                                   | 0.1 mg/m <sup>3</sup> TWA | 0.1 mg/m <sup>3</sup> TWA  |

## Appropriate engineering controls

### Engineering measures to reduce exposure:

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

## Individual protection measures, such as personal protective equipment

### Personal Protective Equipment

- Eye protection:** Goggles or Safety glasses with side-shields
- Skin and body protection:** Chemical resistant apron. Gloves. Long sleeved clothing.
- Respiratory protection:** Wear respirator with dust filter.
- Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                                |                                                                             |                                                                      |
|----------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------|
| <b>Physical state:</b><br>Solid                                | <b>Appearance:</b><br>Powder.                                               | <b>Color:</b><br>White.                                              |
| <b>Odor:</b><br>Odorless.                                      | <b>Taste</b><br>No information available                                    | <b>Formula:</b><br>No information available                          |
| <b>Molecular/Formula weight:</b><br>No information available   | <b>Flammability:</b><br>No information available                            | <b>Flashpoint (°C/°F):</b><br>No information available.              |
| <b>Flash Point Tested according to:</b><br>Not available       | <b>Autoignition Temperature (°C/°F):</b><br>No information available        | <b>Lower Explosion Limit (%):</b><br>No information available        |
| <b>Upper Explosion Limit (%):</b><br>No information available  | <b>Melting point/range(°C/°F):</b><br>No information available              | <b>Decomposition temperature(°C/°F):</b><br>No information available |
| <b>Boiling point/range(°C/°F):</b><br>No information available | <b>Bulk density:</b><br>No information available                            | <b>Density (g/cm3):</b><br>No information available                  |
| <b>Specific gravity:</b><br>2.3                                | <b>pH:</b><br>No information available                                      | <b>Vapor pressure @ 20°C (kPa):</b><br>No information available      |
| <b>Evaporation rate:</b><br>No information available           | <b>Vapor density:</b><br>No information available                           | <b>VOC content (g/L):</b><br>No information available                |
| <b>Odor threshold (ppm):</b><br>No information available       | <b>Partition coefficient (n-octanol/water):</b><br>No information available | <b>Viscosity:</b><br>No information available                        |
| <b>Miscibility:</b><br>No information available                | <b>Solubility:</b><br>Insoluble in cold water<br>Insoluble in hot water     |                                                                      |

## 10. STABILITY AND REACTIVITY

### Reactivity

Reactive with Hydrofluoric acid

### Chemical stability

**Stability:** Stable at normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Incompatible materials.

**Incompatible Materials:** Hydrofluoric acid. Fluoride. Oxygen difluoride. Chlorine trifluoride. Alkaline Solutions.

**Hazardous decomposition products:** No information available

### Other Information

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Principal Routes of Exposure:**

Ingestion. Inhalation.

## Acute Toxicity

### Component Information

*Diatomaceous Earth, flux-calcined (This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz) - 68855-54-9*

**LD50/oral/rat** = No information available  
**LD50/oral/mouse** = No information available  
**LD50/dermal/rabbit** = No information available  
**LD50/dermal/rat** = No information available  
**LC50/inhalation/rat** = No information available  
**LC50/inhalation/mouse** = No information available  
**Other LD50 or LC50information** = No information available

*Cristobalite (crystalline silica) - 14464-46-1*

**LD50/oral/rat** = No information available  
**LD50/oral/mouse** = No information available  
**LD50/dermal/rabbit** = No information available  
**LD50/dermal/rat** = No information available  
**LC50/inhalation/rat** = No information available  
**LC50/inhalation/mouse** = No information available  
**Other LD50 or LC50information** = No information available

*Quartz (Crystalline Silica) - 14808-60-7*

**LD50/oral/rat** = 500 mg/kg Oral LD50 Rat (from EU Commission - EU Chemicals Bureau -  
partical size was 10-20 um)  
**LD50/oral/mouse** = No information available  
**LD50/dermal/rabbit** = No information available  
**LD50/dermal/rat** = No information available  
**LC50/inhalation/rat** = No information available  
**LC50/inhalation/mouse** = No information available  
**Other LD50 or LC50information** = No information available

### Product Information

**LD50/oral/rat** =  
**VALUE- Acute Tox Oral** = >5000mg/kg

**LD50/oral/mouse** =  
**Value - Acute Tox Oral** = No information available

**LD50/dermal/rabbit**  
**VALUE-Acute Tox Dermal** = No information available

**LD50/dermal/rat**  
**VALUE -Acute Tox Dermal** = No information available

**LC50/inhalation/rat**  
**VALUE-Vapor** = No information available  
**VALUE-Gas** = No information available  
**VALUE-Dust/Mist** = No information available

**LC50/Inhalation/mouse**  
**VALUE-Vapor** = No information available  
**VALUE - Gas** = No information available

VALUE - Dust/Mist = No information available

### Symptoms

**Skin Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.

**Inhalation** Irritating to respiratory system. Flux-calcined Diatomaceous earth contains crystalline silica. Acute silicosis (a form of pneumoconiosis) and lung damage from overwhelming exposure to silica dust can occur.. Symptoms may include coughing and wheezing. May cause dyspnea (difficulty breathing or shortness of breath). May cause dry and sore throat.

**Ingestion** Expected low hazard. . Health injuries are not known or expected under normal use.

**Aspiration hazard** No information available

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Chronic Toxicity** Inhalation: Chronic exposure to crystalline silica via inhalation can also cause silicosis, the most important form of pneumoconiosis. In silicosis, fibrotic nodules form in the lung around silica deposits (a form of lung scarring). Symptoms include coughing, wheezing, shortness of breath/dyspnea, decrease chest expansion, a progressive decrease in lung function. Chronic inhalation of crystalline silica is also a lung cancer hazard. Risk of cancer depends upon duration and level of exposure. It also greatly increases the risk for other diseases such as tuberculosis, systemic lupus erythematosus, scleroderma, and Grave's disease. May also affect blood (changes in white blood cell count), the thymus, and spleen.  
Aggravation of Pre-existing Conditions: Inhalation may increase the progression of tuberculosis; susceptibility is apparently not increased. Persons with impaired respiratory function/pre-existing upper respiratory and lung disease (bronchitis, asthma, emphysema) may be more susceptible to the effects of this substance. Smoking can increase the risk of lung injury..

**Sensitization:** No information available

**Mutagenic Effects:** No information available

**Carcinogenic effects:** May cause cancer based on animal test data.

| Components                                                                                                                 | IARC                                                                                                                                              | ACGIH - Carcinogens           | NTP                                                          | OSHA HCS - Carcinogens | Australia - Notifiable Carcinogenic Substances | Australia - Prohibited Carcinogenic Substances |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------|------------------------|------------------------------------------------|------------------------------------------------|
| Diatomaceous Earth, flux-calcined (This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz) | Not listed                                                                                                                                        | Not listed                    | Not listed                                                   | Not listed             | Not listed                                     | Not listed                                     |
| Cristobalite (crystalline silica)                                                                                          | Group 1 (Carcinogenic to Humans) - Monograph 68 [1997] Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources | A2 Suspected Human Carcinogen | Known Human Carcinogen Silica, crystalline (respirable size) | Present                | Not listed                                     | Not listed                                     |

|                             |                                                                                                                                                                                                                                                         |                               |                        |         |            |            |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------|---------|------------|------------|
| Quartz (Crystalline Silica) | Group 1 - Carcinogenic to Humans<br>Monograph 100C [2012] Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources<br>Monograph 68 [1997] (listed as Silica dust, crystalline, in the form of quartz or cristobalite) | A2 Suspected Human Carcinogen | Known Human Carcinogen | Present | Not listed | Not listed |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------|---------|------------|------------|

**ACGIH (American Conference of Governmental Industrial Hygienists)**  
**IARC (International Agency for Research on Cancer)**  
**NTP (National Toxicology Program)**  
**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

**Reproductive toxicity** No data is available

**Reproductive Effects:** No information available  
**Developmental Effects:** No information available  
**Teratogenic Effects:** No information available

#### **Specific Target Organ Toxicity**

**STOT - single exposure** No information available  
**STOT - repeated exposure** Causes damage to organs through prolonged or repeated exposure.  
**Target Organs:** Lungs. Respiratory system.

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

**Ecotoxicity effects:** No data available.  
**Persistence and degradability:** No information available  
**Bioaccumulative potential:** No information available  
**Mobility:** No information available

## **13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

**Waste from residues / unused products:**  
 Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**  
 Empty containers should be taken for local recycling, recovery or waste disposal

| Components                                                                                                                 | RCRA - F Series Wastes | RCRA - K Series Wastes | RCRA - P Series Wastes | RCRA - U Series Wastes |
|----------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|------------------------|------------------------|
| Diatomaceous Earth, flux-calcined (This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz) | None                   | None                   | None                   | None                   |
| Cristobalite (crystalline silica)                                                                                          | None                   | None                   | None                   | None                   |
| Quartz (Crystalline Silica)                                                                                                | None                   | None                   | None                   | None                   |

## 14. TRANSPORT INFORMATION

### DOT

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** None  
**ERG No:** No information available  
**Marine Pollutant:** No data available  
**DOT RQ (lbs):** No information available  
**Special Provisions:** No Information available  
**Symbol(s):** No information available

### TDG (Canada)

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Marine Pollutant:** No Information available

### ADR

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Packing Group:** No information available  
**Subsidiary Risk:** No information available

### IMO / IMDG

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**Marine Pollutant:** No information available

### RID

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available

### ICAO

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available

## 14. TRANSPORT INFORMATION

**Packing Group:** No information available

### IATA

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**ERG Code:** No information available  
**Special Provisions** No information available

## 15. REGULATORY INFORMATION

### International Inventories

| Components                                                                                                                           | U.S. TSCA  | KOREA KECL       | Philippines (PICCS) | Japan ENCS      | CHINA       | Australia (AICS) | EINECS-No.        |
|--------------------------------------------------------------------------------------------------------------------------------------|------------|------------------|---------------------|-----------------|-------------|------------------|-------------------|
| <i>Diatomaceous Earth, flux-calcined</i><br>(This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz) | Not Listed | Not present      | Not present         | Not present     | Not present | Not present      | Not present       |
| <i>Cristobalite (crystalline silica)</i>                                                                                             | Present    | Present KE-09017 | Present             | Present (1)-548 | Present     | Present          | Present 238-455-4 |
| <i>Quartz (Crystalline Silica)</i>                                                                                                   | Present    | Present KE-29983 | Present             | Present (1)-548 | Present     | Present          | Present 238-878-4 |

### U.S. Regulations

#### *Cristobalite (crystalline silica)*

**Massachusetts RTK:** Present  
**New Jersey RTK Hazardous Substance List:** 1657  
**Pennsylvania RTK:** Present  
**Minnesota - Hazardous Substance List:** Present

#### *Quartz (Crystalline Silica)*

**Massachusetts RTK:** Present  
**New Jersey RTK Hazardous Substance List:** 1660  
**Pennsylvania RTK:** Present  
**Minnesota - Hazardous Substance List:** Present

### California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

#### **Chemicals Known to the State of California to Cause Cancer:**

WARNING: This product contains a chemical known to the State of California to cause cancer. (See table below)

#### **Chemicals Known to the State of California to Cause Reproductive Toxicity:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

| Components                                                                                                                           | Carcinogen                                                                         | Developmental Toxicity | Male Reproductive Toxicity | Female Reproductive Toxicity: |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------|----------------------------|-------------------------------|
| <i>Diatomaceous Earth, flux-calcined</i><br>(This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz) | Not Listed                                                                         | Not Listed             | Not Listed                 | Not Listed                    |
| <i>Cristobalite (crystalline silica)</i>                                                                                             | Not Listed                                                                         | Not Listed             | Not Listed                 | Not Listed                    |
| <i>Quartz (Crystalline Silica)</i>                                                                                                   | carcinogen (listed as Silica, crystalline (airborne particles of respirable size)) | Not Listed             | Not Listed                 | Not Listed                    |

### CERCLA/SARA

| Components                                                                                                                 | CERCLA - Hazardous Substances and their Reportable Quantities | Section 302 Extremely Hazardous Substances and TPQs | Section 302 Extremely Hazardous Substances and RQs | Section 313 - Chemical Category | Section 313 - Reporting de minimis |
|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|---------------------------------|------------------------------------|
| Diatomaceous Earth, flux-calcined (This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz) | None                                                          | None                                                | None                                               | None                            | None                               |
| Cristobalite (crystalline silica)                                                                                          | None                                                          | None                                                | None                                               | None                            | None                               |
| Quartz (Crystalline Silica)                                                                                                | None                                                          | None                                                | None                                               | None                            | None                               |

## U.S. TSCA

| Components                                                                                                                 | TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS) | TSCA 8(d) -Health and Safety Reporting |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------|
| Diatomaceous Earth, flux-calcined (This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz) | Not Applicable                                                        | Not Applicable                         |
| Cristobalite (crystalline silica)                                                                                          | Not Applicable                                                        | Not Applicable                         |
| Quartz (Crystalline Silica)                                                                                                | Not Applicable                                                        | Not Applicable                         |

## Canada

### WHMIS hazard class:

D2A Very toxic materials

### Cristobalite (crystalline silica)

D2A In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.

### Quartz (Crystalline Silica)

D2A In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Silica, crystalline, encapsulated on Health Canada's WHMIS Division website.

### Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

| Components                        | WHMIS Ingredient Disclosure List - |
|-----------------------------------|------------------------------------|
| Cristobalite (crystalline silica) | 1 %                                |
| Quartz (Crystalline Silica)       | 1 %                                |

## Inventory

| Components                                                                                                                 | Canada (DSL) | Canada (NDSL) |
|----------------------------------------------------------------------------------------------------------------------------|--------------|---------------|
| Diatomaceous Earth, flux-calcined (This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz) | Not Listed   | Not Listed    |
| Cristobalite (crystalline silica)                                                                                          | Present      | Not Listed    |
| Quartz (Crystalline Silica)                                                                                                | Present      | Not Listed    |

| Components                                                                                                                 | CEPA Schedule I - Toxic Substances |
|----------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Diatomaceous Earth, flux-calcined (This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz) | Not listed                         |
| Cristobalite (crystalline silica)                                                                                          | Not listed                         |
| Quartz (Crystalline Silica)                                                                                                | Not listed                         |

| Components                                                                                                                    | CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| Diatomaceous Earth, flux-calcined<br>(This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz) | Not listed                                                  |
| Cristobalite (crystalline silica)                                                                                             | Not listed                                                  |
| Quartz (Crystalline Silica)                                                                                                   | Not listed                                                  |

#### EU Classification

##### R-phrase(s)

R37 - Irritating to respiratory system.

R48 - Danger of serious damage to health by prolonged exposure.

R49 - May cause cancer by inhalation.

##### S -phrase(s)

S22 - Do not breathe dust.

S36 - Wear suitable protective clothing.

| Components                                                                                                                    | Classification | Concentration Limits: | Safety Phrases |
|-------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|----------------|
| Diatomaceous Earth, flux-calcined<br>(This product may contain up to 54% crystalline in the forms of Cristobalite and Quartz) |                | No information        |                |
| Cristobalite (crystalline silica)                                                                                             |                | No information        |                |
| Quartz (Crystalline Silica)                                                                                                   |                | No information        |                |

The product is classified in accordance with Annex VI to Directive 67/548/EEC

#### Indication of danger:

T - Toxic

Xi - Irritant.

T



Xi



#### 16. OTHER INFORMATION

## 16. OTHER INFORMATION

**Preparation Date:** 6/6/2016  
**Revision Date:** 6/6/2016  
**Prepared by:** Sonia Owen

**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

**End of Safety Data Sheet**