

# SAFETY DATA SHEET

# 1. Identification

| Product identifier               | CETCO® TABLETS - 3/8   |
|----------------------------------|--|
| Other means of identification    |  |
| CAS number                       | 1302-78-9  |
| Synonyms                         | SMECTITE * BENTONITE * MONTMORILLONITE   |
| Recommended use                  | Bentonite has a variety of uses. It can be used as a rheology modifier, binding agent, adsorbent, hydraulic-barrier, and filler.   |
| Recommended restrictions         | Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.  |
| Manufacturer/Importer/Supplier/  | /Distributor information   |
| Manufacturer                     |  |
| Company name<br>Address          | CETCO, an MTI Company<br>2870 Forbs Avenue<br>Hoffman Estates, IL 60192<br>United States   |
| Telephone                        | General Information 800 527-9948   |
| Website<br>E-mail                | http://www.cetco.com/  |
| E-mail<br>Emergency phone number | safetydata@mineralstech.com<br>Emergency 1.866.519.4752/1 760 476 3962   |
| Supplier                         | Not available.   |
| 2. Hazard identification         |  |
| Physical hazards                 | Not classified.  |
| Health hazards                   | Carcinogenicity Category 1A  |
|                                  | Specific target organ toxicity, repeated Category 1<br>exposure  |
| Environmental hazards            | Not classified.  |
| Label elements                   |  |
|                                  |  |
| Signal word                      | Danger   |
| Hazard statement                 | May cause cancer. Causes damage to organs through prolonged or repeated exposure.  |
| Precautionary statement          |  |
| Prevention                       | Keep out of reach of children. Read label before use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Observe good industrial hygiene practices. |
| Response                         | If medical advice is needed, have product container or label at hand. IF exposed or concerned:<br>Get medical advice/attention. Call a POISON CENTER/doctor// if you feel unwell. Specific<br>treatment (see on this label). Wash hands after handling.  |
| Storage                          | Store locked up. Store away from incompatible materials.   |
| Disposal                         | Dispose of waste and residues in accordance with local authority requirements. Dispose of<br>contents/container in accordance with local/regional/national/international regulations.  |
| Other hazards                    | None known.  |
| Supplemental information         | None.  |
|                                  |  |

# 3. Composition/information on ingredients

# Substances

| Substances   |   |  |  |
|--|---|--|--|
| Chemical name  | Common name and synonyms  | CAS number   | %  |
| Bentonite  | SMECTITE<br>BENTONITE<br>MONTMORILLONITE  | 1302-78-9  | 100  |
| Constituents   |   |  |  |
| Chemical name  | Common name and synonyms  | CAS number   | %  |
| QUARTZ (SIO2)  |   | 14808-60-7   | <= 8   |
| CRISTOBALITE   |   | 14464-46-1   | <= 2   |
| M: M-factor<br>PBT: persistent, bioaccumulative a<br>vPvB: very persistent and very bio<br>All concentrations are in percent b |   |  | me. *Designates that   |
| Composition comments   | Bentonite contains naturally occurring crystal<br>67/548/EEC) in quantities less than 6%. Occu<br>Section 8. The full text for all R- and H-phrase<br>mainly of smectite group minerals but the con<br>substance, and other mineral constituents wil<br>minor constituents are not relevant for classifi<br>100% w/w. Impurities are not applicable for a | line silica (not listed in Annex I<br>upational Exposure Limits for c<br>es is displayed in section 16. B<br>nposition is varied, as expected<br>I be present in small and varyir<br>ication and labelling. The purity | onstituents are listed ir<br>entonite is composed<br>d for a UVCB<br>ng amounts. These |
| 4. First-aid measures  |   |  |  |
| Inhalation   | Move to fresh air. Call a physician if symptom noted.   | is develop or persist. No specif   | ic first aid measures  |
| Skin contact   | Wash off with soap and water. Get medical at first aid measures noted.  | ttention if irritation develops an   | d persists. No specific  |
| Eye contact  | No specific first aid measures noted. Do not r<br>for at least 15 minutes. Continue rinsing. Get  |  |  |
| Ingestion  | Rinse mouth thoroughly. If ingestion of a large<br>immediately. Do not induce vomiting without a<br>keep head low so that stomach content does<br>noted.  | advice from poison control cent  | er. If vomiting occurs,  |
| Most important<br>symptoms/effects, acute and<br>delayed   | Dust in the eyes will cause irritation. Dusts ma<br>Prolonged exposure may cause chronic effect   |  | skin and eyes.   |
| Indication of immediate<br>medical attention and special<br>treatment needed   | Provide general supportive measures and tre Symptoms may be delayed.  | at symptomatically. Keep victin  | n under observation.   |
| General information  | IF exposed or concerned: Get medical advice<br>(show the label where possible). Ensure that<br>involved, and take precautions to protect ther<br>measures. Provide general supportive measu   | medical personnel are aware on<br>nselves. No hazards which req  | f the material(s)  |
| 5. Fire-fighting measures  |   |  |  |
| Suitable extinguishing media   | Use any media suitable for the surrounding fi   | res.   |  |
| Unsuitable extinguishing media   | Not applicable, non-combustible.  |  |  |
| Specific hazards arising from the chemical   | None known. The product itself does not burn  | ı.   |  |
| Special protective equipment and precautions for firefighters  | Material can be slippery when wet.  |  |  |
| Fire fighting<br>equipment/instructions  | Use water spray to cool unopened containers   |  |  |
| Specific methods   | Use standard firefighting procedures and con  | sider the hazards of other invo  | ved materials.   |
| General fire hazards   | No unusual fire or explosion hazards noted. T   | his material will not burn.  |  |

# 6. Accidental release measures

| 6. Accidental release meas  | sures   |
|---|---|
| Personal precautions,<br>protective equipment and<br>emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Material can be slippery when wet. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product. |
| Methods and materials for<br>containment and cleaning up                  | Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material, if this is without risk.   |
|   | Large Spills: Wet down with water and dike for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Shovel the material into waste container. Following product recovery, flush area with water.   |
|   | Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.   |
|   | Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.  |
| Environmental precautions   | Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.  |
| 7. Handling and storage   |   |
| Precautions for safe handling   | Obtain special instructions before use. Do not handle until all safety precautions have been read<br>and understood. Minimize dust generation and accumulation. Provide appropriate exhaust<br>ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. When<br>using, do not eat, drink or smoke. Should be handled in closed systems, if possible. In case of<br>insufficient ventilation, wear suitable respiratory equipment. Wear appropriate personal protective<br>equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.   |
| Conditions for safe storage, including any incompatibilities              | Store locked up. No special restrictions on storage with other products. Store in a dry area. Keep the container dry. Store in tightly closed container. Store in a well-ventilated place. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).   |
| 0 Experies controls/perce   | and protection  |

# 8. Exposure controls/personal protection

### **Occupational exposure limits**

| US. ACGIH Threshold Limit Values  |      |             |                      |
|-----------------------------------|------|-------------|----------------------|
| Constituents                      | Туре | Value       | Form                 |
| CRISTOBALITE (CAS<br>14464-46-1)  | TWA  | 0.025 mg/m3 | Respirable fraction. |
| QUARTZ (SIO2) (CAS<br>14808-60-7) | TWA  | 0.025 mg/m3 | Respirable fraction. |

# Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| Constituents                      | Туре | Value       | Form                  |
|-----------------------------------|------|-------------|-----------------------|
| INERT OR NUISANCE<br>DUSTS        | TWA  | 3 mg/m3     | Respirable particles. |
|                                   |      | 10 mg/m3    | Total particulate.    |
| CRISTOBALITE (CAS<br>14464-46-1)  | TWA  | 0.025 mg/m3 | Respirable particles. |
|                                   |      | 0.025 mg/m3 | Respirable.           |
| QUARTZ (SIO2) (CAS<br>14808-60-7) | TWA  | 0.025 mg/m3 | Respirable particles. |

# Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Constituents               | Туре | Value    | Form                 |
|----------------------------|------|----------|----------------------|
| INERT OR NUISANCE<br>DUSTS | TWA  | 3 mg/m3  | Respirable fraction. |
|                            |      | 10 mg/m3 | Total dust.          |

# Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Constituents                      | Туре | Value           | Form                 |
|-----------------------------------|------|-----------------|----------------------|
| CRISTOBALITE (CAS<br>14464-46-1)  | TWA  | 0.025 mg/m3     | Respirable fraction. |
| QUARTZ (SIO2) (CAS<br>14808-60-7) | TWA  | 0.025 mg/m3     | Respirable fraction. |
|                                   |      | • • • • • • • • |                      |

### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

| Constituents                      | Туре | Value       | Form                 |   |
|-----------------------------------|------|-------------|----------------------|---|
| CRISTOBALITE (CAS<br>14464-46-1)  | TWA  | 0.025 mg/m3 | Respirable fraction. | - |
| QUARTZ (SIO2) (CAS<br>14808-60-7) | TWA  | 0.025 mg/m3 | Respirable fraction. |   |

# Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

| Constituents                      | Туре | Value      | Form                 |
|-----------------------------------|------|------------|----------------------|
| INERT OR NUISANCE<br>DUSTS        | TWA  | 3 mg/m3    | Respirable fraction. |
|                                   |      | 10 mg/m3   | Inhalable fraction.  |
| CRISTOBALITE (CAS<br>14464-46-1)  | TWA  | 0.05 mg/m3 | Respirable fraction. |
| QUARTZ (SIO2) (CAS<br>14808-60-7) | TWA  | 0.1 mg/m3  | Respirable fraction. |

# Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

| Constituents                      | Туре | Value      | Form             |  |
|-----------------------------------|------|------------|------------------|--|
| INERT OR NUISANCE<br>DUSTS        | TWA  | 10 mg/m3   | Total dust.      |  |
| CRISTOBALITE (CAS<br>14464-46-1)  | TWA  | 0.05 mg/m3 | Respirable dust. |  |
| QUARTZ (SIO2) (CAS<br>14808-60-7) | TWA  | 0.1 mg/m3  | Respirable dust. |  |

#### **Biological limit values**

controls

No biological exposure limits noted for the ingredient(s).

If engineering measures are not sufficient to maintain concentrations of dust particulates below the Appropriate engineering OEL, suitable respiratory protection must be worn. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

# Individual protection measures, such as personal protective equipment

Eve/face protection Face shield is recommended. Chemical respirator with organic vapor cartridge, full facepiece, dust and mist filter. Applicable for industrial settings only. Wear dust-resistant safety goggles where there is danger of eye contact. Skin protection

#### Wear appropriate chemical resistant gloves. Applicable for industrial settings only. No protection is Hand protection ordinarily required under normal conditions of use.

Use of an impervious apron is recommended. Normal work clothing (long sleeved shirts and long Other pants) is recommended. Applicable for industrial settings only.

#### Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels **Respiratory protection** exceeding the exposure limits. Chemical respirator with organic vapor cartridge, full facepiece, dust and mist filter. Applicable for industrial settings only.

Thermal hazards Not applicable. General hygiene considerations

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Use good industrial hygiene practices in handling this material.

# 9. Physical and chemical properties

| 5. Filysical and chemical p                | noperties                             |
|--|---------------------------------------|
| Appearance                                 | Tablet. Pellets.                      |
| Physical state                             | Solid.                                |
| Form                                       | Solid. Tablet.                        |
| Color                                      | Various.                              |
| Odor                                       | None.                                 |
| Odor threshold                             | Not applicable.                       |
| рН   | 8.5 - 11                              |
| Melting point/freezing point               | > 842 °F (> 450 °C) / Not applicable. |
| Initial boiling point and boiling range    | Not applicable.                       |
| Flash point                                | Not applicable.                       |
| Evaporation rate                           | Not available.                        |
| Flammability (solid, gas)                  | This product is not flammable.        |
| Upper/lower flammability or expl           | osive limits                          |
| Flammability limit - lower<br>(%)          | Not applicable.                       |
| Flammability limit - upper<br>(%)          | Not applicable.                       |
| Explosive limit - lower (%)                | Not available.                        |
| Explosive limit - upper (%)                | Not available.                        |
| Vapor pressure                             | Not applicable.                       |
| Vapor density                              | Not applicable.                       |
| Relative density                           | 2.6 g/cm <sup>3</sup>                 |
| Solubility(ies)                            |                                       |
| Solubility (water)                         | < 0.9 mg/l                            |
| Partition coefficient<br>(n-octanol/water) | Not applicable.<br>Not applicable.    |
| Auto-ignition temperature                  | Not applicable.                       |
| Decomposition temperature                  | > 932 °F (> 500 °C)                   |
| Viscosity                                  | Not applicable.                       |
| Viscosity temperature                      | Not applicable.                       |
| Other information                          |                                       |
| Bulk density                               | 0.9 - 1.4 g/cm <sup>3</sup>           |
| Explosive limit                            | Not applicable.                       |
| Explosive properties                       | Not explosive. Not explosive          |
| Explosivity                                | Not applicable.                       |
| Flame extension                            | Not applicable.                       |
| Flammability                               | Not applicable.                       |
| Flammability (flash back)                  | Not applicable.                       |
| Flammability (Heat of<br>combustion)       | Not applicable.                       |
| Flammability (Train fire)                  | Not applicable.                       |
| Flammability class                         | Not applicable.                       |
| Flash point class                          | Not flammable                         |
| Molecular formula                          | UVCB Substance                        |
| Molecular weight                           | Not applicable.                       |
| -  |                                       |

| Oxidizing properties   | Not oxidizing. None. |
|------------------------|----------------------|
| Percent volatile       | 0 %                  |
| pH in aqueous solution | 8.5 - 11             |
| Specific gravity       | Not applicable.      |
| VOC                    | 0 %                  |

# 10. Stability and reactivity

| Reactivity                            | The product is stable and non-reactive under normal conditions of use, storage and transport.   |
|---------------------------------------|---|
| Chemical stability                    | Stable at normal conditions.  |
| Possibility of hazardous<br>reactions | Will not occur.   |
| Conditions to avoid                   | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Moisture.<br>Avoid temperatures exceeding the decomposition temperature. Contact with incompatible<br>materials. |
| Incompatible materials                | None known.   |
| Hazardous decomposition<br>products   | None.   |

# 11. Toxicological information

# Information on likely routes of exposure

| Inhalation   | Dust may irritate respiratory system. Prolonged inhalation may be harmful. |
|--|--|
| Skin contact   | Dust or powder may irritate the skin.                                      |
| Eye contact  | Dust in the eyes will cause irritation.                                    |
| Ingestion  | Not classified.  |
| Symptoms related to the<br>physical, chemical and<br>toxicological characteristics | Dusts may irritate the respiratory tract, skin and eyes. None known.       |

### Information on toxicological effects

| internation on texteological e    |   |                            |
|-----------------------------------|---|----------------------------|
| Acute toxicity                    | Not classified. Not kno   | own.                       |
| Product                           | Species Test Results  |                            |
| Bentonite (CAS 1302-78-9)         |   |                            |
| Acute                             |   |                            |
| Inhalation                        |   |                            |
| Dust                              |   |                            |
| LC50                              | Rat   | > 5.27 mg/l, 4 hr OECD 436 |
| Oral                              |   |                            |
| Dust                              |   |                            |
| LD50                              | Rat   | > 2000 mg/kg OECD 425      |
| Constituents                      | Species   | Test Results               |
| CRISTOBALITE (CAS 14464-46        | -1)   |                            |
| Acute                             |   |                            |
| Oral                              |   |                            |
| LD50                              | Rat   | > 22500 mg/kg              |
| Skin corrosion/irritation         | Not classified.   |                            |
| Serious eye damage/eye irritation | Not classified. Mild irritant to eyes (according to the modified Kay & Calandra criteria) |                            |
| Respiratory or skin sensitization | on  |                            |
| Canada - Alberta OELs: Irr        | itant   |                            |
| CRISTOBALITE (CAS 1               | 14464-46-1)   | Irritant                   |
| <b>Respiratory sensitization</b>  | Not classified.   |                            |
| Skin sensitization                | Not classified.   |                            |
| Germ cell mutagenicity            | Not classified.   |                            |
|                                   |   |                            |

Carcinogenicity

In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. This product contains <10% total crystalline silica. The respirable crystalline silica as determined by the SWeRF method is <1% w/w.

| ACGIH Carcinogens  |                                      |  |
|--|--------------------------------------|--|
| CRISTOBALITE (CAS 14464-46-1)  |                                      | A2 Suspected human carcinogen.                                   |
| QUARTZ (SIO2) (CAS 14808-60-7)   |                                      | A2 Suspected human carcinogen.                                   |
| Canada - Alberta OELs: Caro  | cinogen category                     |  |
| CRISTOBALITE (CAS 144  | 464-46-1)                            | Suspected human carcinogen.                                      |
| QUARTZ (SIO2) (CAS 14  | 808-60-7)                            | Suspected human carcinogen.                                      |
| Canada - Manitoba OELs: ca   | rcinogenicity                        |  |
| CRISTOBALITE (CAS 144  | 464-46-1)                            | Suspected human carcinogen.                                      |
| QUARTZ (SIO2) (CAS 14  |                                      | Suspected human carcinogen.                                      |
| Canada - Quebec OELs: Car  | cinogen category                     |  |
| CRISTOBALITE (CAS 14464-46-1)  |                                      | Detected carcinogenic effect in animals.                         |
| QUARTZ (SIO2) (CAS 14  | ,                                    | Suspected carcinogenic effect in humans.                         |
| IARC Monographs. Overall E   | Evaluation of Carcinogenicity        |  |
| CRISTOBALITE (CAS 14464-46-1)  |                                      | 1 Carcinogenic to humans.  |
| QUARTZ (SIO2) (CAS 14808-60-7)   |                                      | 1 Carcinogenic to humans.  |
| US. National Toxicology Prog   | gram (NTP) Report on Carcin          | ogens  |
| CRISTOBALITE (CAS 144  | 464-46-1)                            | Known To Be Human Carcinogen.                                    |
|  |                                      | Reasonably Anticipated to be a Human Carcinogen.                 |
| QUARTZ (SIO2) (CAS 14808-60-7)   |                                      | Known To Be Human Carcinogen.                                    |
| Reproductive toxicity  | Not classified.                      |  |
| Specific target organ toxicity -<br>single exposure                            | Not classified.                      |  |
| Specific target organ toxicity - Causes damage to organs thr repeated exposure |                                      | ough prolonged or repeated exposure.                             |
| Aspiration hazard Not an aspiration hazard.                                    |                                      |  |
| Chronic effects  | Causes damage to organs thr harmful. | ough prolonged or repeated exposure. Prolonged inhalation may be |

# 12. Ecological information

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Product                    |                | Species                                    | Test Results               |
|----------------------------|----------------|--|----------------------------|
| Bentonite (CAS 1302-78-9)  |                |  |                            |
| Aquatic                    |                |  |                            |
| Algae                      | EC50           | Freshwater algae                           | > 100 mg/l, 72 hours       |
| Crustacea                  | EC50           | Coon stripe shrimp (Pandalus danae)        | 24.8 mg/l, 96 hours        |
|                            |                | Daphnia                                    | > 100 mg/l, 48 hours       |
|                            |                | Dungeness or edible crab (Cancer magister) | 81.6 mg/l, 96 hours        |
| Fish                       | LC50           | Freshwater fish                            | 16000 mg/l, 96 hours       |
|                            |                | Marine water fish                          | 2800 - 3200 mg/l, 24 hours |
| sistence and degradability | Not relevant f | or inorganic substances                    |                            |
| accumulative potential     | Will not bio-a | ccumulate.                                 |                            |
| bility in soil             | Bentonite is a | almost insoluble and thus presents a low r | nobility in most soils.    |
| bility in general          | The product h  | nas poor water-solubility.                 |                            |

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

# 13. Disposal considerations

| Disposal instructions                    | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of<br>contents/container in accordance with local/regional/national/international regulations.  |
|--|--|
| Local disposal regulations               | Dispose in accordance with all applicable regulations.   |
| Hazardous waste code                     | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| Waste from residues / unused<br>products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).   |
| Contaminated packaging                   | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Store containers and offer for recycling of material when in accordance with the local regulations. |

# 14. Transport information

#### TDG

Not regulated as dangerous goods.

# ΙΑΤΑ

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

# Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

# 15. Regulatory information

**Canadian regulations** 

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

### Controlled Drugs and Substances Act

Not regulated. Export Control List (CEPA 1999, Schedule 3)

Not listed.

**Greenhouse Gases** 

Not listed.

**Precursor Control Regulations** 

Not regulated.

#### International regulations

#### Stockholm Convention

Not applicable.

**Rotterdam Convention** 

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

**Basel Convention** 

Not applicable.

### International Inventories

| Country(s) or region | Inventory name  | On inventory (yes/no)* |
|----------------------|---|------------------------|
| Australia            | Australian Inventory of Chemical Substances (AICS)                        | Yes                    |
| Canada               | Domestic Substances List (DSL)  | Yes                    |
| Canada               | Non-Domestic Substances List (NDSL)                                       | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC)                | Yes                    |
| Europe               | European Inventory of Existing Commercial Chemical<br>Substances (EINECS) | Yes                    |

| Country(s) or region        | Inventory name  | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Europe                      | European List of Notified Chemical Substances (ELINCS)            | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)          | No                     |
| Korea                       | Existing Chemicals List (ECL)                                     | Yes                    |
| New Zealand                 | New Zealand Inventory   | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes                    |
| Taiwan                      | Taiwan Chemical Substance Inventory (TCSI)                        | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

# 16. Other information

| Issue date            | 26-September-2018   |
|-----------------------|---|
| Revision date         | 26-September-2018   |
| Version #             | 20  |
| Further information   | UVCB = a substance of Unknown or Variable composition, Complex reaction products or<br>Biological materials SWERF = Size Weighted Respirable Fraction methodology is a scientific<br>method developed to quantify the content of respirable particles within a bulk product. All details<br>about the SWERF method are available at www.crystallinesilica.eu.   |
| List of abbreviations | SWERF = Size-Weighted Relevant Fine Fraction methodology is a scientific method developed to<br>quantify the content of respirable particles within a bulk product. All details about the SWERF<br>method are available at www.crystallinesilica.eu.<br>UVCB = a substance of Unknown or Variable composition, Complex reaction products or<br>Biological materials   |
| References            | ACGIH<br>EPA: AQUIRE database<br>NLM: Hazardous Substances Data Base<br>US. IARC Monographs on Occupational Exposures to Chemical Agents<br>For any information on literature references or toxicity/ecotoxicity studies, please contact the<br>supplier.   |
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| Revision information  | Product and Company Identification: Synonyms<br>Composition / Information on Ingredients: Ingredients<br>Regulatory Information: United States<br>GHS: Classification   |