



## **Safety Data Sheet**

An explanation of terms used may be found in OSHA  
29 CFR 191.1200 available from OSHA regional or area offices

**May 12, 2016**

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME :** Cite-Clean™  
**Chemical Name:** Potassium-Calcium-Sodium-Alumina Silicate  
(Clinoptilolite-Zeolite)  
**SUPPLIER :** Clean Age Minerals Inc.  
**MANUFACTURER :** Same  
**ADDRESS :** 929 S. High Street, #174  
West Chester, PA 19382  
**PHONE :** (610) 812-2022; Fax (610) 692-0192  
**EMERGENCY PHONE :** (610) 812-2022

### 2. COMPOSITION / INFORMATION on INGREDIENTS

**COMPOSITION / INGREDIENTS** 100% Natural Clinoptilolite Zeolite Mineral  
**EMPIRICAL FORMULA :** (K,Ca,Na) 20 Al<sub>2</sub>O<sub>3</sub> 10SiO<sub>2</sub> 6H<sub>2</sub>O  
**CAS No.** 12173-10-3  
**OSHA PEL:** 15 mg/cubic meter - total dust 5 mg/cubic meter - respirable  
**ACGIH TLV:** 10 mg/cubic meter - total dust 3 mg/cubic meter - respirable

### 3. HAZARDS IDENTIFICATION

**HAZARDOUS INGREDIENTS :** May contain 0.07 - 0.10% Free Silica (see below)

**EMERGENCY OVERVIEW :** White, Odorless, Granular or Powder Form.  
Noncombustible  
**Eye Contact** May cause mild irritation  
**Skin Contact** May cause mild irritation  
**Inhalation** Causes irritation  
**Ingestion** No hazards known or suspected

**CHRONIC HAZARDS:** No known chronic hazards. Not listed by OSHA, NTP or IARC as a carcinogen. Does not contain asbestos or fibrous zeolite minerals. Crystalline silica was not detected X-Ray Defraction, but may be present at levels 0.07% - 0.10%.  
*(Crystalline Silica is considered a hazard by inhalation. During October 1996, IARC reviewed the literature for polymorphs of crystalline silica and determined that there is sufficient evidence in humans for the carcinogenetic of inhaled crystalline silica in the form of quartz or cristobolite from occupational sources.)*  
*(Note: Clinoptilolite with a particle size in the respirable range was tested for carcinogenicity in rats by intratracheal instillation. No significant increase in the incidence of tumors was found.)*

**PHYSICAL HAZARDS:** Absorbs moisture from air and fluid

**SIGNS & SYMPTOMS OF EXPOSURE :** None

#### 4. FIRST AID MEASURES

**INGESTION:** If ingested in large quantities, contact physician for permission to induce vomiting.

**SKIN CONTACT :** None known, however if irritation occurs, rinse with water. Seek medical attention. However if irritation occurs, rinse with water. If irritation persists, seek medical attention.

**INHALATION :** Remove the person to fresh air. Rinse mouth & nasal passages with fresh water. If irritation persists, seek medical attention.

**EYE CONTACT :** Remove contact lenses. Flush eyes with water for 15 minutes. If irritation persists, seek medical attention.

**NOTE TO PHYSICIAN :** The Cite Clean™ has no additives that would require special treatment. If this product has been in contact / contaminated with a material of a hazardous nature, identify material and treat accordingly.

#### 5. FIRE AND EXPLOSION MEASURES

**GENERAL HAZARDS:** Product is not considered flammable or combustible.

<b>FLASH POINT</b> (Degree F):	Not applicable	<b>FLAMMABLE LIMITS</b> (Vapor in air, Vol%):	Not applicable
<b>LEL:</b>	Not applicable	<b>UEL:</b>	Not applicable

**FIRE EXTINGUISHING MEDIA :** Product is compatible with all extinguishing media.

**SPECIAL FIRE FIGHTING PROCEDURES :** None

**UNUSUAL FIRE AND EXPLOSION HAZARDS :** None

#### 6. SPILLAGE, ACCIDENTAL RELEASE MEASURES

**ENVIRONMENTAL HAZARDS:** No known environmental hazards. Sinks in water.

**SPILLAGE:** Sweep, scoop, or vacuum discharged material and place in suitable container. Avoid generating dust. If dust is being generated, use appropriate Personal Protective Equipment (PPE) such as a NIOSH - approved dust respirator.

**WASTE DISPOSAL METHOD:** Can be landfilled. If material has been treated and/or contaminated with toxic or hazardous substances, material should be disposed of accordingly. Consult Local, State and Federal regulations.

**CERCLA RQ:** There is no CERCLA Reportable Quantity for this material. If a spill goes off site, notification of State and Local authorities is recommended.

#### 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with eyes. Avoid breathing dust. Wash thoroughly with soap and water. Promptly clean up spills.

**STORAGE:** Keep containers closed when not in use. Protect containers from abuse; store in a cool, dry area.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**OSHA PERMISSIBLE EXPOSURE LIMIT:** Values have not been established.  
**RECOMMENDED THRESHOLD LIMIT:** 15 mg/cubic meter - total dust  
5 mg/cubic meter - respirable  
**RESPIRATORY PROTECTION:** Use NIOSH approved dust mask or respirator where dust occurs.  
Refer to 29 CFR 1910.134  
**EYE PROTECTION:** Safety glasses or chemical goggles  
Refer to 29 CFR 1910.133  
**OTHER PROTECTIVE EQUIPMENT:** Not applicable  
**PERSONAL HYGIENE:** Avoid breathing dust.  
**ENGINEERING CONTROL:** Use adequate ventilation.

## 9. PHYSICAL AND CHEMICAL CHARACTERISTICS

<b>APPEARANCE:</b>	Dry, White to off-white granules and powders	<b>SPECIFIC GRAVITY :</b>	1.5 -1.7
<b>ODOR:</b>	Odorless	<b>pH:</b>	Not applicable
<b>MELTING POINT:</b>	1800 F	<b>BOILING POINT :</b>	Not applicable
<b>VAPOR DENSITY:</b>	Not applicable	<b>FREEZING POINT :</b>	Not applicable
<b>SOLUBILITY IN WATER:</b>	0	<b>VAPOR PRESSURE:</b>	Not applicable
		<b>EVAPORATION RATE :</b>	Not applicable

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under all conditions of use and storage.  
**CONDITIONS TO AVOID:** Not applicable  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Not applicable  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None

<b>NFPA HAZARD RATINGS:</b>	<b>Health Hazard:</b>	<b>1</b>	<b>Reactivity:</b>	<b>1</b>
	<b>Flammability:</b>	<b>0</b>	<b>Physical Hazard:</b>	<b>0</b>
	<b>Personal Safety Eqpt.</b>	<b>E</b>	<b>Special Hazard:</b>	<b>None</b>

Code Definitions: \* = Chronic Health Hazard      1 = Insignificant  
2 = Moderate      3 = High  
4 = Extreme      E = Safety Glasses, Gloves, Dust Respirator

## 11. TOXICOLOGICAL INFORMATION

**ACUTE DATA:** Material may cause mild eye irritation similar to other dust like materials but is non-irritating to the skin. Prolonged direct skin contact may dry skin and therefore cause minor irritation.  
Material may contain fine particles which may cause respiratory irritation with prolonged unventilated exposure.  
Material has not had any reports of toxicity if ingested. Laboratory test have indicated it to be generally safe (GRAS classification).  
**SUB CHRONIC DATA:** Material has not been tested for sub chronic toxicity potential.  
**SPECIAL STUDIES:** Material has not been tested for chronic inhalation toxicity.  
Zeolite Beta is not listed by NTP, IARC, or OSHA as a carcinogen.

## 12. ECOLOGICAL INFORMATION

<b>ECO-TOXICITY:</b>	Tests have indicated that this material environmentally friendly.
<b>WATERFOWL TOXICITY :</b>	None known
<b>AQUATIC TOXICITY :</b>	None known
<b>FOOD CHAIN CONCENTRATION POTENTIAL :</b>	None known
<b>ENVIRONMENTAL FATE:</b>	Does not bioconcentrate in animals.
<b>BIOCHEMICAL OXYGEN DEMAND :</b>	None, product is not biodegradable
<b>ATMOSPHERIC :</b>	Contains no ozone depleting substances
<b>PRODUCTS OF BIODEGRADATION:</b>	Possibly hazardous degradation products are not likely from untreated and/or uncontaminated material.

## 13. DISPOSAL INFORMATION

<b>CLASSIFICATION:</b>	Material is not a RCRA Hazardous waste.
<b>DISPOSAL:</b>	Dispose of in accordance with Local, State and Federal Regulations. Product is classified as nonhazardous, however, non-hazardous materials may become hazardous waste upon contact with other products / substances. Refer to "40CFR Protection of Environment Parts 260-299" for complete waste disposal regulations. Consult your Local, State or Federal Environmental Protection Agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application-specific and should be assigned by the user based on the application for which the product is used.

## 14. TRANSPORTATION INFORMATION

<b>PROPER SHIPPING NAME:</b>	Non-Hazardous for Transportation
<b>IATA HAZARD CLASS / PACKAGING GROUP:</b>	Not Regulated
<b>DOT HAZARD CLASS / PACKAGING GROUP:</b>	Not Regulated
<b>IMDG HAZARD CLASS:</b>	Not Regulated
<b>UN TDG CLASS / PACKAGING GROUP:</b>	Not Regulated
<b>UN/NA IDENTIFICATION NUMBER:</b>	None
<b>RID/ADR CODE:</b>	Not Regulated
<b>DANGEROUS GOODS CODE:</b>	Not Regulated
<b>LABEL:</b>	Not Regulated
<b>HAZARD IDENTIFICATION NUMBER (HID):</b>	None

## 15. REGULATORY INFORMATION

### **CERCLA (U.S.A. -Comprehensive Response Compensation & Liability Act)**

*See Section 6.*

### **TSCA (U.S.A. - Toxic Substance Control Act)**

*All components of this product are listed on the U.S. Toxic Substance Control Act Chemical Inventory.*

### **SARA TITLE III (U.S.A. - Superfund Amendments & Reauthorization Act)**

*Material is not a listed Toxic Chemical subject to the reporting requirements of SARA Title III Section 313 and 40 C.F.R. Part 372. Hazard Categories under SARA Title III Sections 311/312: Acute.*

**CALIFORNIA Prop 65, Safe Drinking Water & Toxic Enforcement Act of 1986**

*There are no chemicals present in the material known to the State of California to cause cancer or reproductive toxicity*

**CPR (Canadian Controlled Products Regulations)**

*This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and this SDS contains all of the information required by the Controlled Products Regulations. WHMIS Classification: Not Controlled*

**DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)**

*Components of this product identified by CAS number are not listed on the DSL or NDSL, or are otherwise in compliance with the New Substance Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.*

**IDL (Canadian Ingredient Disclosure List)**

*Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.*

**EINECS (European Inventory of Existing Commercial Chemical Substances)**

*Components of this product identified by CAS number are in the European Inventory of Existing Commercial Chemical Substances unless indicated as "not found".*

**16. OTHER INFORMATION**

**GENERAL:**

It is recommended that all recipients of this SDS become familiar with and understand any hazards associated with this product. This information should then be made available to employees and customers who may come in contact with this material.

For any other matter regarding safety of handling, packaging or transportation, contact the the emergency telephone number listed in this SDS.

**DISCLAIMER:**

*The information in this Safety Data Sheet is believed to be accurate and represents the best information available to Clean Age Minerals Inc. This document is intended only as a guide to the appropriate precautions for handling a chemical by a person trained in chemical handling. Clean Age Minerals Inc. makes no warranty of the merchantability or any other warranty express or implied with respect to such information or the product to which it relates, and we assume no liability resulting from the use or handling of the product to which this Safety Data Sheet relates. Users and handlers of this product should make their own investigation to determine the suitability of the information provided here for their own purposes.*

**ADDITIONAL CONTACT INFORMATION:**

Clean Age Mineral Inc. - Sales  
Telephone: (551) 265 - 5013  
URL: [http:// www.cleanageminerals.com](http://www.cleanageminerals.com)