

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Printing Date: 3/25/2015

**1 Identification****Product Identifier****Trade name: Soil Life****Product description:** Absorbent Clay**Application of the substance / the mixture:****Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Balcones Minerals Corporation

233 Balcones Lane (PO Drawer B), Flatonia, TX 78941

361-865-3544 or [www.balconesminerals.com](http://www.balconesminerals.com) for product information**Emergency telephone number:** Balcones Minerals: 361-865-3544**2 Hazard(s) identification****Signal Word:** Warning**Hazard Statement:** Repeated excessive inhalation of dust that exceeds prescribed limits may result in injury to lungs and pulmonary discomfort.**Precautionary Statements****Prevention:** Control airborne particulates to level acceptable under PEL/TLV (1 mg/M3)**Response:**

If inhaled, remove person to fresh air and keep comfortable for breathing.

If in eye, flush with water.

Seek medical attention if necessary.

**Storage:** Keep covered and store in dry, ventilated area.**Disposal:** Dispose in compliance with local, state and federal ordinances. Landfills, incinerate or other.**Emergency Overview**

This product is a non-combustible, chemically inert mineral. This mineral sample contains naturally-occurring crystalline silica as quartz. Prolonged exposure to respirable crystalline silica may cause lung disease (silicosis). IARC, in Monograph 68, has concluded that crystalline silica inhaled in the form of quartz from occupational sources is carcinogenic to humans (Group 1); however, carcinogenicity was not detected in all industrial circumstances studied. The company is not aware of any scientific or medical data available indicating that exposure to dust from this product under conditions of normal use will cause silicosis or cancer. Adverse effects would not be expected from normal use of this product.

## Safety Data Sheet (SDS)

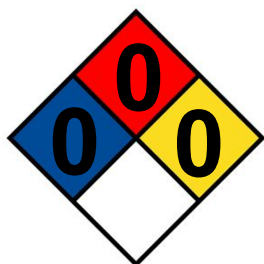
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**Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

**NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 0  
Reactivity = 0

**HMIS - ratings (scale 0 - 4)**

**Health = 0, Fire = 0, Reactivity = 0, Personal Protection: Goggles and Mask Recommended**

### 3 Composition/information on ingredients

Component	CAS Number	Amount
Fuller's Earth, Calcined	8031-18-3	90-100%
Bentonite, Calcined	1302-78-9	90-100%
Quartz (respirable <1%)	14808-60-7	<10% bulk

May contain some respirable crystalline quartz (dust).

### 4 First-aid measures

**Description of first aid measures**

**General information:** Find ventilation. Remove to fresh air, seek medical help if severe.

**After skin contact:** No further relevant information available.

**After eye contact:** Rinse (flush) with water. If severe, seek medical assistance.

**After swallowing:** No further relevant information available.

**Most important symptoms and effects, both acute and delayed:** Repeated excessive inhalation of dust that exceeds prescribed limits may result in injury to lungs and pulmonary discomfort.

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Trade Name: Soil Life

### 5 Fire-fighting measures

#### Extinguishing media

#### Suitable extinguishing agents:

No special measures required.

**Special hazards arising from the substance or mixture:** No further relevant information available.

#### Advice for firefighters

**Protective equipment:** No special measures required.

### 6 Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Use approved dust mask or respirator, if airborne levels exceed PEL/TLV.

#### Environmental precautions:

Check local, state & federal ordinances. Dispose in compliance with regulations. Landfills, incinerate or other.

#### Cleanup procedures:

Sweep up or vacuum.

### 7 Handling and storage

#### Precautions for safe handling:

Control airborne particulates to level acceptable under PEL/TLV (1 mg/M3)

Practice good housekeeping, follow all suggested regulations, insure ventilation and maintain acceptable levels.

#### Conditions for safe storage, including any incompatibilities

**Storage:** Store in dry ventilated area. Keep covered.

### 8 Exposure controls/personal protection

#### Components with occupational exposure limits:

##### 14808-60-7 Quartz

PEL 5.0 mg. /M3

TLV 5.0 mg. /M3

NIOSH 0.05 mg. /M3

MSHA 10.0 mg./M3%5:0 242

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OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

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**Trade Name: Soil Life**

### Personal Protective Measures:

#### Respiratory protection:

**NIOSH/MSHA Approved respirator:** If dust levels exceed PEL/TLV-Adequate ventilation.

#### Ventilation:

**Local Exhaust:** Sufficient ventilation to reduce levels

**Special:** None

**Mechanic (General)** Reduce levels to equal or below PEL

**Other:** None

**Protective Gloves:** Optional if sensitive skin exists

**Eye Protection:** Recommended (Goggles) Approved

**Other protective clothing or equipment:** Optional



## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

#### Appearance:

**Form:** Granules

**Color:** Tan to white

**Odor:** None

**Odor threshold:** Not determined.

**pH-value:** Inert (approximately 7)

#### Change in condition

**Melting point / freezing point:** Not applicable.

**Boiling point / boiling range:** Not applicable.

**Flash point:** Not applicable.

**Flammability (solid, gas):** Not applicable.

#### Ignition temperature:

**Decomposition temperature:** Not applicable.

**Auto ignition temperature:** Product is not self igniting.

**Danger of explosion:** Product does not present an explosion hazard.

#### Explosion limits:

**Lower:**

**Upper:**

**Vapor pressure:** Not applicable.

**Vapor density:** Not applicable.

**Evaporation rate (Butyl Acetate-1):** None.

**Relative density:**

**Solubility:** Insoluble.

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OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

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<b>Trade Name: Soil Life</b>
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<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	Not determined.
<b>Specula Gravity (H2O-1):</b>	Approximately 1.5
<b>Other information:</b>	No further relevant information available.

### 10 Stability and reactivity

**Reactivity:** No further relevant information available.

**Chemical stability:**

**Condition to avoid:** Absorbed highly oxidizable liquids, heat build up may occur. Allow time for mix to cool before packaging or storing in sealable containers.

**Incompatible materials:** Hydrofluoric acid, vegetable oils, turpentine and unsaturated organic compounds.

**Hazardous polymerization:** Will not occur.

### 11 Toxicological information

**Information on toxicological effects**

**Route of entry:** Inhalation

**Health Hazards (Acute and Chronic):** Repeated excessive inhalation of dust that exceeds prescribed limits may result in injury to lungs and pulmonary discomfort.

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer)**

Free crystalline silica according to IARC has exhibited limited evidence of carcinogenicity in animals and humans (over exposure).

**NTP (National Toxicology Program)**

None of the ingredients are listed.

**OSHA (Occupational Safety & Health Administration)**

None of the ingredients are listed.

**Signs and symptoms of exposure:** Coughing, labored breathing, pulmonary discomfort.

**Medical conditions generally aggravated by exposure:** May affect existing pulmonary and respiratory conditions.

### 12 Ecological information

**Toxicity**

Natural earth composition. No further relevant information available.

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**Trade Name: Soil Life****13 Disposal considerations**

**Disposal:** Check local, state & federal ordinances. Dispose in compliance with regulations. Landfills, incinerate or other.  
Refer to Section 8.

**14 Transport information**

**DOT Listing:** NMFC 48170 Clay, Crushed or Ground in Bags.

**15 Regulatory information**

**No other relevant information.**

**16 Other information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

**Date of preparation / last revision** 03/20/15

**Abbreviations and acronyms:**

PEL: Permissible Exposure Limits

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (US)

HMIS: Hazardous Materials Identification System (USA)

MSHA: Mine Safety and Health Administration (USA)

TLV: Threshold Limit Value

NIOSH: National Institute for Occupational Safety and Health

NMFC: National Motor Freight Classification