



# Safety Data Sheet

according to WHS Regulations

Printing date 14.05.2018

Revision: 14.05.2018

## 1 Identification

**Product Name:** BENTONITE (ACTIVATED CLAY)**Recommended Use of the Chemical and Restriction on Use:** Drying agent**Details of Manufacturer or Importer:**EnviroTronics  
Unit 3, 175 Briens Road  
Northmead NSW 2152**Phone Number:** 02 96305277**Fax:** 02 8677 5119**Emergency telephone number:** 0413 943 153

## 2 Hazard(s) Identification

**Hazardous Nature:**

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified according to the Globally Harmonised System (GHS).

**Signal Word** Void**Hazard Statements** Void

## 3 Composition and Information on Ingredients

**Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 14808-60-7	Quartz (SiO <sub>2</sub> )	 Carcinogenicity 1A, H350; STOT RE 1, H372	<2%
-----------------	----------------------------	---	-----

**Non Hazardous Components:**

CAS: 1302-78-9	Bentonite		≥98%
----------------	-----------	--	------

**Additional information:**

This product may contain small quantities of respirable quartz present as an impurity in the ingredients. The value given for quartz represents the total value, not the respirable fraction.

Exposure to this product is not likely to cause harm under normal conditions, but it is recommended to determine the actual exposure through workplace testing.

## 4 First Aid Measures

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Printing date 14.05.2018

Revision: 14.05.2018

**Product Name: BENTONITE (ACTIVATED CLAY)**

(Contd. of page 1)

**Ingestion:**

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

**Symptoms Caused by Exposure:**

Inhalation: Dust may cause respiratory irritation.

Skin Contact: No adverse health effects expected.

Eye Contact: May cause mechanical eye irritation.

Ingestion: No adverse health effects expected.

### 5 Fire Fighting Measures

**Suitable Extinguishing Media:** Use fire extinguishing methods suitable to surrounding conditions.

**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include oxides of silicon.

This product is not flammable or combustible.

Containers close to fire should be removed only if safe to do so.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

### 6 Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and sweep spilt product into a pile and shovel into drums for subsequent disposal.

Avoid generating dust. Provide adequate ventilation.

### 7 Handling and Storage

**Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

Food, beverages and tobacco products should not be stored or consumed where this material is in use.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. All containers must be sealed and air tight. Avoid excessive dust formation. Keep away from strong oxidising agents, acids and bases.

### 8 Exposure Controls and Personal Protection

**Exposure Standards:**

**CAS: 14808-60-7 Quartz (SiO<sub>2</sub>)**

WES	TWA: 0.1 mg/m <sup>3</sup> respirable dust
-----	---

**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Printing date 14.05.2018

Revision: 14.05.2018

**Product Name: BENTONITE (ACTIVATED CLAY)**

(Contd. of page 2)

**Respiratory Protection:**

Respiratory protection is not required under normal use conditions. Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**

Protective gloves are recommended. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting hand protection, the product should comply with relevant performance criteria. For example, gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a workplace. Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye protection is not required under normal use conditions. Wear eye and face protectors for protection against dust are recommended if product is spilt. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 Physical and Chemical Properties

**Appearance:**

<b>Form:</b>	Granules or beads
<b>Colour:</b>	Beige
<b>Odour:</b>	Odourless
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	3 - 8
<b>Melting point/freezing point:</b>	>1000 °C
<b>Initial Boiling Point/Boiling Range:</b>	Not applicable
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Product is not flammable.
<b>Auto-ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Vapour Pressure:</b>	Not applicable
<b>Bulk Density:</b>	720 kg/m <sup>3</sup> (Typical)
<b>Vapour Density:</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable
<b>Solubility in Water:</b>	<1 % (By weight)
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	Not applicable

## 10 Stability and Reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Excessive dust formation.

**Incompatible Materials:** Strong oxidising agents, acids and bases.

(Contd. on page 4)

# Safety Data Sheet

## according to WHS Regulations

Printing date 14.05.2018

Revision: 14.05.2018

**Product Name: BENTONITE (ACTIVATED CLAY)**

(Contd. of page 3)

**Hazardous Decomposition Products:** Oxides of silicon.

### 11 Toxicological Information

**Toxicity:**

<b>LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:</b>	
<b>CAS: 1302-78-9 Bentonite</b>	
LD <sub>50</sub>	35 mg/kg (rat) (Intravenous)
<b>CAS: 14808-60-7 Quartz (SiO<sub>2</sub>)</b>	
Oral LD <sub>50</sub>	500-22,500 mg/kg (rat)

**Acute Health Effects****Inhalation:** Dust may cause respiratory irritation.**Skin:** No adverse health effects expected.**Eye:** May cause mechanical eye irritation.**Ingestion:** No adverse health effects expected.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:**

Silica dust, crystalline, in the form of quartz or cristobalite is classified by IARC as Group 1 - Carcinogenic to humans.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.**Chronic Health Effects:**

Respirable crystalline silica is a known carcinogen and can cause serious lung damage

**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

### 12 Ecological Information

**Ecotoxicity:** No adverse ecological effects are expected.**Aquatic toxicity:** No further relevant information available.**Persistence and Degradability:** Product is of mineral origin and it not biodegradable.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:** No further relevant information available.

(Contd. on page 5)

# Safety Data Sheet

according to WHS Regulations

Printing date 14.05.2018

Revision: 14.05.2018

**Product Name: BENTONITE (ACTIVATED CLAY)**

(Contd. of page 4)

## 13 Disposal Considerations

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 Transport Information

**UN Number** Not regulated

**Proper Shipping Name** Not regulated

**Dangerous Goods Class** Not regulated

**Packing Group:** Not regulated

## 15 Regulatory Information

**Australian Inventory of Chemical Substances:**

CAS: 1302-78-9	Bentonite
CAS: 14808-60-7	Quartz (SiO <sub>2</sub> )

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Not Scheduled.

## 16 Other Information

**Date of Preparation or Last Revision:** 14.05.2018

**Prepared by:** MSDS.COM.AU Pty Ltd

[www.msds.com.au](http://www.msds.com.au)

**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

LC<sub>50</sub>: Lethal concentration, 50 percent

LD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Carcinogenicity 1A: Carcinogenicity – Category 1A

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. EnviroTronics makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.