

Material Safety Data Sheet

Bleaching Earth

Section 1 - Product Identification

Synonyms : Fuller's earth
Molecular Weight : 360 g/mol
Chemical Formula : $H_2Al_2(SiO_3)_4 \cdot nH_2O$
Company Identification : Tradeasia International Pte. Limited
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Recommended use of the chemical and restrictions on use:

Section 2 – Composition/Information on Ingredients

Chemical Name	EC/CAS No	Weight, %
Bentonite, acid leached	70131-50-9	<= 100%

Section 3 – Hazards Identification

3.1 Classification of the substance or mixture

Non-hazardous substance.

3.2 Label elements

None

3.3 Other hazards

None

Section 4 – First-Aid Measures

4.1. Description of first aid measures

Skin contact

If skin or hair contact occurs, remove contaminated clothing and wash skin and hair with soap and water.
If irritation occurs seek medical advice.

Eye contact

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Inhalation

Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Ingestion

Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Treat symptomatically.

4.3. Indication of any immediate medical attention and special treatment needed

N.A.

Section 5 – Fire Fighting Measures

5.1. Suitable Extinguishing media

Not combustible, however, if material is involved in a fire use: Extinguishing media appropriate to surrounding fire conditions.

5.2. Specific hazards arising from the chemical

Non-combustible material. Decomposes on heating emitting toxic fumes.

5.3. Special protective actions for fire-fighters

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Section 6 – Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal.

6.1.1 For non-emergency personnel

N.A

6.1.2. For emergency personnel

N.A

6.2. Environmental precautions

If contamination of sewers or waterways has occurred advise local emergency services.

6.3. Methods and material for containment and cleaning up

N.A.

Section 7 – Handling and Storage

7.1. Precautions for safe Handling

Avoid skin and eye contact and breathing in dust. Avoid handling which leads to dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated place and out of direct sunlight. Store between 15° C and 25° C. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

7.2.1 Incompatible product

N.A.

7.2.2 Incompatible materials

N.A.

Section 8 – Exposure Controls/Personal Protection

8.1. Control parameters

8.2. Appropriate engineering controls

Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Avoid generating and breathing in dusts. Keep containers closed when not in use.

If in the handling and application of this material, safe exposure levels could be exceeded, the use of engineering controls such as local exhaust ventilation must be considered, and the results documented. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant. Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

8.3. Individual protection measures, such as personal protective equipment (PPE)

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors. OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, DUST MASK.

Wear overalls, safety glasses and impervious gloves. Avoid generating and inhaling dusts. If determined by a risk assessment an inhalation risk exists, wear a dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Other information

N.A.

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance : off-white powder

Odour : odourless

Odour threshold : N.A.

pH : mildly acidic in suspension

Melting point : N.A.

Boiling point : N.A.

Density: N.A.

Flash point : N.A.

Evaporation rate : N.A.

Flammability : N.A.

Upper/lower flammability or explosive limits : N.A.

Vapour pressure : N.A.

Vapour density : N.A.

Relative density: N.A.

Solubility: insoluble in water

Auto-ignition temperature : N.A.

Decomposition temperature : N.A.

Viscosity : N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

Section 10 – Stability and Reactivity

10.1. Reactivity

N.A.

10.2. Chemical stability

This material is chemically stable.

10.3. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4. Conditions to avoid:

Avoid exposure to heat. Avoid dust generation.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None known.

Section 11 – Toxicological Information

Information on toxicological effects

Acute toxicity

No LD50 data available for the product.

Skin corrosion / irritation

Repeated or prolonged skin contact may lead to irritation.

Serious eye damage/ irritation

May cause physical irritation.

Respiratory or skin sensitization

N.A.

Germcell mutagenicity

N.A.

Carcinogenicity

N.A.

Reproductive toxicity

N.A.

STOT-single exposure

N.A.

STOT-repeated exposure

N.A.

Aspiration Hazard

May be fatal if swallowed and enter airways.

Potential health effects

N.A.

Section 12 – Ecological Information

12.1.Toxicity

Avoid contaminating waterways.

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Other adverse effects

N.A

Section 13 – Disposal Considerations

13.1. Disposal methods Product

Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations.

13.2 Ecotoxicity Effect

N.A.

Section 14 – Transport Information

14.1. UN number : N.A.

14.2. UN proper shipping name : N.A

14.3. Transport of hazard classes : N.A

14.4. Packing group : N.A

14.5. Environmental hazards : N.A.

14.6. Special precautions for user : N.A

14.7. Incompatible materials: N.A.

Section 15 – Regulatory Information

15.1. Safety, health and environmental regulations for the substance/mixture

Notification status:

U.S. EPA TSCA Inventory N.A.

Canadian DSL N.A.

EINECS N.A.

South Korea N.A.

Japanese MITI N.A.

Ensure all national/local regulations are observed.

Section 16 : Additional Information

Revision date: 1/8/2019

Other information: None.

16.1. Disclaimer of Liability

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