



Safety data sheet

GreenEarth Activated Clay

Revision date : 2017/10/01
Version: 2.0

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(30443215/SDS_GEN_US/EN)

1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Composition/information on ingredients

| <u>CAS Number</u> | <u>Content (W/W)</u> | <u>Chemical name</u> |
|-------------------|----------------------|-------------------------|
| 70131-50-9 | 98.0 % | Bentonite, acid-leached |
| 14808-60-7 | 2.0 % | crystalline silica |

3. Hazard identification

Emergency overview

**CAUTION: MAY CAUSE RESPIRATORY TRACT IRRITATION.
PROLONGED OR REPEATED EXPOSURE MAY CAUSE LUNG DAMAGE.
CONTAINS MATERIAL WHICH MAY CAUSE CANCER.
RISK OF CANCER DEPENDS ON ROUTE, DURATION AND LEVEL OF EXPOSURE.**
Avoid inhalation of dusts.
Wear a NIOSH-certified (or equivalent) particulate respirator.
Wear safety glasses with side-shields.
Wear chemical resistant protective gloves.
Wear protective clothing.
Eye wash fountains and safety showers must be easily accessible.

Important Note: Based upon an independent Industrial Hygiene Sampling Report conducted September 1, 2017, the GreenEarth Activated Clay and the crystalline silica it contains do not present a health or cancer risk as the sampling data indicates that the exposure to respirable crystalline silica was less than half of the OSHA Action Limit, and less than 25 percent of the OSHA Permissible Exposure Limit assuming standard GreenEarth Cleaning Operating Procedures are followed.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.
Routes of entry for gases include inhalation and eye contact skin contact may be a route of entry for liquified gases.

Acute toxicity:
No data available.

Irritation:
No data available.

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4. First-Aid Measures

General advice:
Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air. If breathing difficulties develop, aid in breathing and seek immediate medical attention.

If on skin:
Wash off thoroughly with ample water. Consult a doctor if skin irritation persists.

If in eyes:
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If symptoms persist, seek medical advice.

If swallowed:
If large quantities are ingested, seek medical advice.

Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Flash point: The substance/product is non-combustible.

Flammability: does not ignite

Self-ignition temperature: not self-igniting

Additional Information:
Use extinguishing measures to suit surroundings.

Hazards during fire-fighting:

No particular hazards known.

Protective equipment for fire-fighting:
Wear totally enclosed protective clothing. Wear a self-contained breathing apparatus.

Further information:
Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.

6. Accidental release measures

Personal precautions:
Wear a self-contained breathing apparatus. Wear suitable personal protective clothing and equipment.

Note: This is not necessary when using the pre-packaged GreenEarth Activated Clay and GreenEarth's standard operating procedures are followed.

Environmental precautions:
No special precautions necessary.

Cleanup:
Contain spillage. Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal. Avoid raising dust. Reclaim for processing if possible.

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7. Handling and Storage

Handling

General advice:

Ensure adequate ventilation. Forms slippery surfaces with water. Avoid dust formation. Handle in accordance with good industrial hygiene and safety practice. See American Society for Testing and Materials (ASTM) Standard Practice E1132-99a, 'Standard Practice for Health Requirements Relating to Occupational Exposure to Respirable Crystalline Silica.'

Protection against fire and explosion:

The product does not contribute to the spreading of flames, nor is it self combustible, not explosive.

Storage

General advice:

Keep container tightly closed. Keep in a cool place. Keep container dry.

Storage incompatibility:

General: Segregate from incompatible substances.

8. Exposure controls and personal protection

Components with workplace control parameters

| | | |
|--------------------|-------|--|
| crystalline silica | OSHA | TWA value 2.4 millions of particles per cubic foot of air Respirable ; TWA value 0.1 mg/m ³ Respirable ; TWA value 0.3 mg/m ³ Total dust ; |
| | ACGIH | TWA value 0.025 mg/m ³ Respirable fraction ; |

Advice on system design:

Provide local exhaust ventilation to control dust.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) particulate respirator. Particle filter with high efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P3 or FFPE) Observe OSHA regulations for respirator use (29 CFR 1910.134). Wear respiratory protection if ventilation is inadequate.

Hand protection:

Wear chemical resistant protective gloves., chloroprene rubber (CR) - 0.5 mm coating thickness

Eye protection:

Safety glasses with side-shields.

General safety and hygiene measures:

When using, do not eat, drink or smoke. Handle in accordance with good Industrial hygiene and safety practice.

9. Physical and Chemical Properties

| | | |
|-------------------|-----------------------------|----------------|
| Form: | powder | |
| Odour: | odourless | |
| Colour: | off-white to light grey | |
| pH value: | | not applicable |
| Melting point: | > 1,000 °C | |
| Bolling point: | | not applicable |
| Vapour pressure: | | not applicable |
| Relative density: | 2.0 | |
| Bulk density: | 670 - 930 kg/m ³ | |

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| | |
|--|----------------|
| Partitioning coefficient n-octanol/water (log Pow): | not applicable |
| Viscosity, dynamic: | not applicable |
| Solubility in water: | not soluble |

10. Stability and Reactivity

Conditions to avoid:
No conditions to avoid anticipated.

Substances to avoid:
strong oxidizing agents, strong alkalies

Hazardous reactions:
The product is chemically stable.
No hazardous reactions known.

Decomposition products:
Hazardous decomposition products: No hazardous decomposition products known.

Thermal decomposition:
No decomposition if used correctly.

Oxidizing properties:
not fire-propagating

11. Toxicological information

Chronic toxicity

Other information:
The product has not been tested. The statement has been derived from products of a similar structure and composition.

12. Ecological Information

Environmental fate and transport

Biodegradation:
Evaluation: Inorganic product which cannot be eliminated from water by biological purification processes.
The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

Bioaccumulation:

Accumulation in organisms is not to be expected.
Because of the product's consistency and low water solubility, bioavailability is improbable.

*Information on: crystalline silica
calculated*

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

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Environmental toxicity

Acute and prolonged toxicity to fish:

Fish test acute static

Rainbow trout/LC50 (96 h): 19,000 mg/l

The product has not been tested. The statement has been derived from products of a similar structure and composition. Literature data.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations.

All waste materials should be reviewed to determine the applicable hazards (testing may be necessary).

Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

Container disposal:

Dispose of in accordance with national, state and local regulations. Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Land transport
USDOT

Not classified as a dangerous good under transport regulations

Sea transport
IMDG

Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

TSCA, US

released / listed

SARA hazard categories (EPCRA 311/312): Chronic

State regulations

State RTK

CAS Number
14808-60-7

Chemical name
crystalline silica

State RTK
MA, NJ, PA

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CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Important Note: Based upon an independent Industrial Hygiene Sampling Report conducted September 1, 2017, the GreenEarth Activated Clay and the crystalline silica it contains do not present a health or cancer risk as the sampling data indicates that the exposure to respirable crystalline silica was less than half of the OSHA Action Limit, and less than 25 percent of the OSHA Permissible Exposure Limit assuming standard GreenEarth Cleaning Operating Procedures are followed.

16. Other Information

HMIS III rating

Health: 1⁺ Flammability: 0 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Local Contact Information

prod_reg@basf.com

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