



KenGro Biosorb

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 12/01/2015

Revision date: 04/20/2016

Supersedes: 12/01/2015

Version: 2.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : KenGro Biosorb

Product code : N/A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified use : Absorbent/Bioremediation Agent

1.3. Details of the supplier of the safety data sheet

Manufacturer:

KenGro Corporation
P.O. Box 432
6605 Hwy. 32 E.
Charleston, MS 38921
Phone: 662-647-2456

1.4. Emergency telephone number

Emergency number : 662-647-2456

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Comb. Dust H232

Full text of H-statements: see section 16

2.2. Label elements

GHS-US labelling

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H232 - May form combustible dust concentrations in air

2.3. Other hazards

Hazards not otherwise identified : Contact with eyes may cause reversible physical irritation. Product can cause eye abrasions. Overexposure to dusts may produce slight irritation of the respiratory system.

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

| Name | Product identifier | % |
|---|--------------------|-----|
| Proprietary natural absorbent made from plant by products | (CAS No) not apply | 100 |

3.2. Mixture

Not applicable

4.1. Description of first aid measures

First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest. Give oxygen or artificial respiration as needed.

First-aid measures after skin contact : No specific skin reaction are expected. Wash skin with water and soap.

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- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.
- First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Drink several glasses of milk or water, get medical attention.

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

- Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.
- Symptoms/injuries after eye contact : Product can cause eye abrasions. Symptoms include stinging, watering, redness, and swelling.

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

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Carbon dioxide. Water for or spray. Dry powder.
- Unsuitable extinguishing media : Water jet. Do not use water jet as it may scatter fire.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : The product is not flammable but burns.
- Explosion hazard : Avoid generation of dust; fine dust dispersed in air in sufficient concentration, and in the presence of an ignition source is a potential dust explosion hazards.
- Reactivity : In case this product is used as absorbent, used product may be reactive. Refer to the absorbed materia SDS.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Collect as much as possible in clean container for (preferably) re-use or disposal.
Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

6.1.1. For non-emergency personnel

- Emergency procedures : No specific hazards.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Collect all waste in suitable and labelled containers for re-use or dispose according to local legislation.

6.2. Environmental precautions

No additional information available.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials. Avoid dispersal of dust in the air (i.e., cleaning dust surfaces with compressed air). Non-sparking tools should be used.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Provide good ventilation in process area to prevent formation of dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build statics electricity charges when subjected to the friction of transfer and mixture operations. Provide adequate precautions, such as electrical grounding and bonding or inert atmospheres.

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7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in well-ventilated area. Store away from oxidizers or material bearing a yellow DOT Label.
- Incompatible materials : Oxidizing materials

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust dusts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area. Use only appropriately classified electrical equipment and powered industrial trucks.
- Personal protective equipment : Safety glasses. Dust mask.
- Hand protection : Protective gloves are not normally needed. Use to protect pre-existing skin conditions. Avoid prolonged contact with skin.
- Eye protection : Avoid contact with eyes due to irritation. Tightly sealed goggles when applying in windy conditions.
- Respiratory protection : Wear appropriate dust mask. Use NIOSH approved dust mask if needed.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Appearance : Ground cellulose particles
- Color : Light brown to gray
- Odor : Mild
- Odor threshold : No data available
- pH : Neutral
- Relative evaporation rate (butyl acetate=1) : Not applicable
- Melting point : Not applicable
- Freezing point : Not applicable
- Boiling point : Not applicable
- Flash point : > 550 °F
- Auto-ignition temperature : No data available
- Decomposition temperature : Not applicable
- Flammability (solid, gas) : No data available
- Vapour pressure : Not applicable
- Relative vapour density at 20 °C : Not applicable
- Relative density : < 1 (water=1)
- Solubility : Not soluble in water
- Log Pow : Not applicable
- Log Kow : Not applicable
- Viscosity, kinematic : Not applicable
- Viscosity, dynamic : Not applicable

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| | |
|----------------------|--|
| Explosive properties | : Not explosive; however, dust; fine dust dispersed in air in sufficient concentration, and in the presence of an ignition source is a potential dust explosion hazards. |
| Oxidising properties | : Not applicable |
| Explosive limits | : Not applicable |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known in this product. Used product may be reactive. Refer to the absorbed materia SDS.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Avoid prolonged exposure to highly concentrated acids or bases.

10.5. Incompatible materials

Oxidizers or oxidizing materials.

10.6. Hazardous decomposition products

In case of thermal decomposition: Fume. Carbon monoxide. Carbon dioxide. Used product may emit hazardous toxic gases or vapors. Refer to the absorbed materia SDS.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|---|--|
| Acute toxicity | : Not classified |
| Skin corrosion/irritation | : Not classified. |
| Serious eye damage/irritation | : Not classified. Contact with eyes may cause reversible physical irritation. Product can cause eye abrasions. |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified. Overexposure to dust may produce slight irritation of the respiratory system. |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Not established.

12.3. Bioaccumulative potential

Not established.

12.4. Mobility in soil

No additional information available

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12.5. Other adverse effects

Effect on ozone layer : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : This product can be disposed with household garbage. Used product must be disposed in a safe manner in accordance with local/national regulations. Refer to the absorbed material SDS.

SECTION 14: Transport information

In accordance with DOT

Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

15.2.2. National regulations

15.3. US State regulations

SECTION 16: Other information

Other information : Refer to NFPA 654, *Standard for the Prevention of Fire and Dust explosions from the Manufacture, Processing, and Handling of Combustible Particulate Solids*, for safe handling.

Indication of changes : Classification of the substance or mixture

Revision date : 04/20/2016

Full text of H-statements:

| | | |
|-------|------------|---|
| ----- | Comb. Dust | Combustible Dust |
| ----- | H232 | May form combustible dust concentrations in air |

The information on this sheet is not a specification and does not guarantee specific properties. The information is intended to provide general knowledge as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product or where instruction or recommendations are not followed.