

Material Safety Data Sheet

Conforms to 91/155/EEG - 2001-58-EC

REACH : dossier to be submitted by November 2010

1. Identification of the substance/preparation and company/undertaking

Trade name of the substance: CINTROPUR Activated carbon

Identification of the substance: Activated Carbon

Use of the substance: Purification of liquids or gases through adsorption

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Date of issue: July 1st, 2010

2. Composition/information on ingredients

Name: Carbon, activated

Chemical formula: C

EINECS-number: 231-153-3

CAS-number: 7440-44-0

Classification: not dangerous

3. Hazards identification

None

4. First aid measures

Inhalation: In the event of accidental inhalation, remove victim to fresh air. If cough or other respiratory symptoms develop, obtain medical attention.

Ingestion: In the event of accidental ingestion, give one or two glasses of water to drink. If gastro-intestinal symptoms develop, obtain medical attention.

- Skin contact: In the event of skin contact, wash the affected area with soap and water.
- Eye contact: In the event of accidental eye contact, treat immediately by flushing with water or proprietary eye bath solution. If redness, itching or a burning sensation develop, obtain medical attention

5. Fire fighting measures

- Extinguishing media: Water preferable. Avoid methods which create dust
- Unsuitable extinguishing media: None known.
- Special exposure hazards in fire: Airborne dust is a weak explosion hazard.
- Special protective equipment in fire: Self contained breathing apparatus may be required.

6. Accidental release measures

In the event of spillage, sweep/vacuum up and recover or dispose of spillage in a facility for controlled waste. Avoid breathing dust or wear an approved dust respirator. Wash down spill area with water containing detergent and flush away with plenty of water. Do not re-use empty packages but dispose of in a facility for controlled waste.

7. Storage, handling and use

- Handling: Wear adequate clean workwear and gloves.
- Storage: Store indoors in a cool, dry well-ventilated location. Storage and use areas should be No Smoking areas. Protect against physical damage. Keep away from sources of ignition, strong oxidizing materials, freezing and solvent vapours.
- Spill: Vacuuming and/or wet methods (water and detergent) of cleanup are preferred. Place in appropriate containers for disposal. Keeping airborne dust at a minimum.
- Disposal: Reactivation, incineration or landfill, in accordance with local applicable regulations.

8. Exposure controls

- Exposure limit: Long-term exposure limit (8 hour TWA) – 10 mg/m³
- Respiratory equipment: Ensure adequate ventilation or wear dust mask type FFP2.
- Hand protection: Wear gloves.
- Skin protection: Wear adequate clothing.
- Eye protection: Under normal conditions, eye protection is not required.

9. Physical and chemical properties

- Appearance: Black, odourless solid in form of granules, extrudates or powder
- Density: 350 to 550 kg/m³
- Auto-ignition temperature: Greater than 400°C
- Solubility: Practically insoluble in water.

10. Stability and reactivity

Stability: Stable under recommended storage conditions
Conditions to avoid: Humidity, sources of ignition, freezing and solvent vapours.

Materials to avoid: Strong oxidising agents
Hazardous decomposition products: Carbon dioxide, carbon monoxide.

Caution for user specific conditions: wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels and enclosed or confined spaces. Before entering such an area, sampling and work procedures for low oxygen levels should be taken to ensure ample oxygen availability, observing all local, state, and federal regulations.

11. Toxicological information

No toxicological data available. Material is classified as not dangerous.

12. Ecological information

No Ecological data available. Material is classified as not dangerous.

13. Disposal considerations

Dispose of material in a facility for controlled waste.

14. Transport information

This product has been tested according to the United Nations "Transport of Dangerous Goods" test protocol for spontaneously combustible materials. It has been specifically determined that this product does not meet the definition of a self heating substance or any hazard class, and therefore is not a hazardous material and not regulated.

15. Regulatory information

Classification: Not dangerous.

16. Other information

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