
5. Fire-fighting measures

| | | |
|------------------------------------|---|--|
| Extinguishing Media | : | Foam, Multipurpose Dry Chemical and water Type Extinguishers. |
| Special Fire Fighting Procedure | : | None |
| Unusual Fire and Explosion Hazards | : | Contact with Strong oxidizers such as Ozone, Liquid Oxygen, Permanganate, etc. may result in fire. |

6. Accidental release measures

Environmental precautions

Methods for cleaning up/taking up

 Sweeping or Vacuuming (Spills can create nuisance dust and house keeping problems.)

7. Handling and storage

| | | |
|--------------------|---|--|
| Ventilation | : | Local exhaust is recommended, |
| Storage precaution | : | Packaged activated carbon is not resistant to weather or outside storage and requires indoor storage facilities. |

8. Exposure controls/personal protection

Protective equipment : no special requirements

Protective gloves : Rubber gloves recommended

Eye protection : Goggles recommended

 Respiratory protection : NIOSH Approved particular filter respirator is recommended if excessive dust is generated.

9. Physical and chemical properties

| | | |
|---------------------------------------|---|-------------------------|
| Boiling point (°C) | : | N/A |
| Vapor pressure (mmHg) | : | N/A |
| Vapor density (Air=1) | : | N/A |
| Solubility in water | : | Insoluble |
| Specific gravity (H ₂ O=1) | : | 1.8 - 2.1 |
| Percent volatile by volume (%) | : | N/A |
| Flash point | : | N/A |
| Auto-Ignition Point (°C) | : | Above 250°C. |
| Appearance and Odor | : | Black particulate solid |

10. Stability and reactivity

| | | |
|-------------------------------------|---|--|
| Stability | : | Stable |
| Incompatibility(Materials to Avoid) | : | Strong Oxidizers such as Ozone, Liquid Oxygen , Permanganate, Nitric Acid etc. |
| Hazardous Polymerization | : | May not occur. |
| Conditions to Avoid | : | Wet activated carbon removes oxygen from air causing a severe hazard to workers inside carbon vessels and enclosed or confined spaces. |
| Hazardous Decomposition Products | : | Contact with strong inorganic acids such as Nitric Acid and Sulfuric Acid may generate hazardous gases such as NO ₂ and SO ₂ . |

11. Toxicological information

Acute toxicity : -
TLV(ACGIH) : N/A

12. Ecological information

Recommended disposal : Activated carbons that have adsorbed organic liquids and gases may lower the ignition point and must be checked for ignition point before disposal.
Disposal of in accordance with local, state, and federal regulation.
Pay special attention not to flow out to the river, water supply system, sewerage, sea.
If possible, regeneration is recommended.

13. Disposal considerations

In case of landfill, ask for permission in accordance with regulations of industrial discharges and clean in your country.

In case of incineration on the conventional way, adapt to the regulations on air pollution.

14. Transport information

Cover the product with a hood or a sheet to avoid rain.

15. Regulatory information

Follow all regulations in your country.

16. Other information

All data presented herein is based on actual measurements performed by Kuraray Chemical Co., Ltd.
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Date prepared : Jan 21, 2014