

Safety Data Sheet

This safety data sheet is prepared in accordance with 91/155/EEC.

1. Identification of the substance/preparation and company

1.1 Product details

Trade name : ACTIVATED CARBON 「KURARAYCOAL GN-UC-H」

1.2 Supplier details

Name of distributor : Kuraray Chemical Co., Ltd.
 Address : Shin-Hankyu Bldg.1-12-39, Umeda, Kita-ku, Osaka 530-8611, Japan
 Telephone No. : +81-6-6348-9610
 Manufacturer : Kuraray Chemical Co., Ltd.
 Address : 4342, Tsurumi, Bizen City, Okayama 705-0025, Japan
 Telephone No. : +81-869-65-8331

1.3 Emergency telephone number : +81-869-65-8331

2. Composition/information on ingredients

Chemical Name and Synonyms : Activated Carbon
 Formula : C
 Ingredients : Carbon
 CAS No. : 7440-44-0
 UN No. : None Allocated(*)
 (*)Carbon made by a steam activation process are not subject to the provisions of UN number.
 Percent : Carbon : above 98 %
 : Ash : less than 1 % including SiO₂ as the main components.
 : water : less than 1 %

3. Hazards identification

Not categorized as hazardous or harmful material.

TLV(ACGIH) : N/A

4. First aid measures

Eye Contact : Flush with plenty of water for at least 15 minutes and medical care immediately.
 Skin Contact : Wash with soap and large quantities of water.
 Inhalation : Keep the fresh air and warm condition and emergency care.
 In case of cyanosis, immediate artificial breathing.
 When inhale the dust of Activated Carbon, rinse mouth with water.
 If Swallowed : Vomit immediately and wash out the mouth completely,
 Emergency medical care should be required.
 Effect of Overexposure : Avoid exposure to dust levels above 2.9 mg per cubic meter.
 Long-term and low-level exposure to the dust may bring about the pneumoconiosis.

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 400°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

NFPA Ratings: Health:0, Flammability:1, Reactivity:0, Reactivity=Instability

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