

Safety Data Sheet

1. Identification of the substance/preparation and company

1.1 Product details

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

1.2 Supplier details

Name of distributor : Kuraray Co., Ltd. Carbon Materials Division
 Address : Umeda Hankyu Building Office Tower,8-1, Kakudacho,
 Kita-Ku,Osaka 530-8611,Japan
 Telephone No. : +816-7635-1900
 Manufacturer : Kuraray Co., Ltd. Tsurumi Plant
 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. Hazards identification

Not categorized as hazardous or harmful material.

TLV(ACGIH) : N/A

GHS classification : Do not fall under a classification standard.

3. Composition/information on ingredients

Chemical Name and Synonyms : Activated Carbon
 Formula : C
 Ingredients : Carbon
 CAS No. : 7440-44-0
 UN No. : Non-corresponding-matter
 Percent : Carbon above 90 %
 : Others : Ash and moisture.

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.
Activated Carbon pass the test for self-heating substances as reflected in the United Nations Recommendations on the Transport of dangerous goods, manual of Tests and Criteria (sec 33.3.1.3.3) and is not considered spontaneously combustible. Therefore, the provision for shipping activated carbon, class 4.2, in the IATA, ICAO, and IMDG Code publications do not apply to shipment of this material.

15. Regulatory information

Follow all regulations in your country.

16. Other information

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

All data presented herein is based on actual measurements performed by Kuraray Co., Ltd.
All information contained herein is presented in good faith and without any warranty, including a warranty of the fitness of the information for a particular purpose.
Kuraray Co., Ltd. accepts no liability for damages or losses resulting from the use or misuse of this information.

Date prepared : Mar 6, 2018