

# Material Safety Data Sheet

Report No.: SHSX20230728001

Report Date: July 28, 2023

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## MSDS REPORT

**PRODUCT NAME:** Activated Carbon

**MODEL:** -

**LOT NO.:** -

**CUSTOMER NAME:** Yu Yao Runhong Environmental Protection  
Technology Co.,Ltd.

**UNIT ADDRESS:** No.9.Mao Sheng Road,Economic development  
Zone Yuyao Zhejiang

**ZIP CODE:** 315000

In no circumstances shall the company's responsibility extend beyond inspection, testing and reporting upon the samples actually drawn from the bulk and inspected tested and at the sole and exclusive responsibility of the Principal. This test report cannot be reproduced except in full.

Shanghai Shangxun Testing Technology Co., Ltd.

Add: Room1010, No.1775 Caoan Road, Jiading District, Shanghai, China  
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## Preparation of Safety Data Sheet

### Section 1-Chemical Product and Company Identification

**Product Name:** Activated Carbon

**Company Identification:** YuYao Runhong Environmental Protection Technology Co.,Ltd.

**Add:** No.9.Mao Sheng Road, Economic development Zone Yuyao Zhejiang

**Contact:** Mr He

**Tel:** +86 -15888531527

**Fax:** +86 -574 - 86644880

**E-mail:** yyrunhong@163.com

### Section 2-Hazards Identification

**Hazard classification according to GHS:** Not applicable.

**Hazard pictograms:** Not applicable.

**Signal word:** Not applicable.

**Hazard statements:** Not applicable.

**Prevention:** Not applicable.

**Response:** Not applicable.

**Storage:** Not applicable.

**Disposal:** Not applicable.

**Physical and chemical hazards:** Solid, toxic smoke/fumes in a fire.

**Invasion route:** Skin contact, eye contact, ingestion.

**Health Hazards:** The product would not cause any adverse health hazard under normal circumstances.

**Environment hazards:** please refer to 12th chapter SDS.

### Section 3-Composition/Information on Ingredients

**Pure** ☒ **Admixture** ☐

**Composition:**

| Chemical Name    | Composition (%) | CAS No.    | EC No.    |
|------------------|-----------------|------------|-----------|
| Activated Carbon | >99             | 64365-11-3 | 264-846-4 |

### Section 4-First Aid Measures

**General advice:** Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in immediately

**Skin touch:** Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15

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minutes and consult a physician if feel uncomfortable.

**Eyes touch:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

**Inhalation:** Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Call a physician or poison Control Center immediately.

**Protecting of first-aiders:** Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

## Section 5-Fire Fighting Measures

**Suitable extinguishing media:** Small fire: chemical dry power, carbon dioxide (CO<sub>2</sub>), water spray foam. Large fire: foam, water spray or water spray.

**Unsuitable extinguishing media:** Do not use columnar water.

**Specific hazards arising from the substance or mixture:** containers may explode when heated. May expansion or decompose explosively when heated or involved in fire. Slight fire hazard when exposed to heat or flame.

**Advice for firefighters:** As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved equivalent) and full protective gear. Fight fire from a safe distance, with adequate cover. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## Section 6-Accidental Release Measures

**Personal Protection:** Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up:** A small amount of leakage, with wet soil, sand or other non-combustible material to cover. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Use clean, non-sparking tools to collect absorbed material.

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## Section 7-Handling and Storage

**Precautions for Handling:** Handling is performed in a well ventilated place. Wear suitable protective equipment. Avoid contact with skin and eyes. Keep away from heat/sparks open flames/hot surfaces.

**Precautions for Storage:** Keep containers tightly closed. Keep containers in a dry, cool and well-ventilated place. Keep away from heat/sparks/open flames/hot surfaces. Store away from incompatible materials and foodstuff containers.

## Section 8-Exposure Controls, Personal Protection

**Occupational Exposure limit values:** No information available.

**Biological limit values:** No information available.

**Monitoring Methods:** EN14042 workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.  
GBZ/T160.1-GBZ/T160.81-2004 Determination of toxic substances in workplace air (Series standard).

**Engineering controls:** Ensure adequate ventilation, especially in confined areas.  
Ensure that eyewash stations and safety showers are close to the workstation location.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Set up emergency exit and necessary risk-elimination area.

**General requirement:**



**Eyes protection:** Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH(US))

**Hands protection:** Wear protective gloves (such as butyl rubber), passing the tests according to EN 374(EU), US F739 OR AS/NZS2161.1 standard.

**Respiratory protection:** If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

**Skin and body protection:** Wear fire/flammable resistant/retardant clothing and antistatic boots.

## Section 9-Physical and Chemical Properties

**Appearance:** Solid

**Odor:** No special odor

**Odor threshold:** No information available

**PH:** No information available

**Melting point:** 3500°C

**Initial boiling point and boiling range:** 4200°C

**Flash point:** No information available

**Evaporation rate:** Not applicable

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**Flammability:** Not applicable

**Upper /lower explosive limits [% (v/v)]:** Upper limits: Not applicable;  
lower limits: Not applicable.

**Vapor pressure:** Not applicable

**Relative vapour density (Air =1):** Not applicable

**Relative density (Water =1):** 1.8-2.1

**Solubility (mg/l):** Insoluble in water

**N-octanol/water partition coefficient:** No information available

**Auto-ignition temperature (°C):** No information available

**Decomposition temperature (°C):** No information available

**Kinematic viscosity:** Not applicable

**Particle characteristics:** Black irregular particles, black power, black lumps, black columnar particles, black sphere.

## Section 10-Stability and Reactivity

**Reactivity:** contact with incompatible substances can cause decomposition or other chemical reactions.

**Chemical Stability:** Stable under proper operation and storage conditions.

**Possibility of hazardous reactions:** Exposure to air poses a potential fire hazard. Exposure to metal powders, bromic acids, chlorates, monochloramine monochlorate, iodic acid iodide, metal nitrates, difluoride, peroxy formic acid, peroxy furoic acid or difluoride trioxide can occur haet reaction, accompanied by burning or explosion. After heating, the material can react explosively with ammonium nitrate, ammonium perchlorate, calcium hypochlorite and iodine pentoxide. Carbon can react violently with nitric acid. It can also cause explosive reaction with nitrogen trifluoride at low temperatures. Burning and ignition can occur in the presence on nitric oxide.

**Conditions to avoid:** Incompatible materials, heat, flame and spark.

**Incompatible materials:** Avoid contact with oxidizing agents and reducing agent.

**Hazardous Decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11-Toxicological Information

**Acute toxicity:** No information available

**Carcinogenicity:**

| ID | Cas No.    | Component        | IARC       | NTP        |
|----|------------|------------------|------------|------------|
| 1  | 64365-11-3 | Activated Carbon | Not listed | Not listed |

**Skin corrosion/irritation:** Based on available, the classification are not met.

**Serious eye damage/ irritation:** Based on available, the classification are not met.

**Skin sensitization:** Based on available, the classification are not met.

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**Respiratory sensitization:** Based on available, the classification are not met.

**Reproductive toxicity:** Based on available, the classification are not met.

**STOT- single exposure:** Based on available, the classification are not met.

**STOT-repeat exposure:** Based on available, the classification are not met.

**Aspiration hazard:** Based on available, the classification are not met.

**Germ cell mutagenicity:** Based on available, the classification are not met.

**Reproductive toxicity(additional):** Based on available, the classification are not met.

## Section 12-Ecological Information

**Acute aquatic toxicity:** No information available.

**Chronic aquatic toxicity:** No information available.

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility in soil:** No information available.

**Results of PBT and vPvB assessment:**

| Component        | Cas No.    | Results of PBT and vPvB assessment (according to (EC) No 1907/2006) |
|------------------|------------|---------------------------------------------------------------------|
| Activated Carbon | 64365-11-3 | Not PBT and vPvB                                                    |

## Section 13-Disposal Considerations

**Waste chemicals:** Before disposal should refer to the relevant and local laws and regulation. Recommend the use of incineration disposal.

**Contaminated packaging:** Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

**Disposal recommendations:** Refer to section 13.1 and 13.2

## Section 14- Transport Information

**Transporting Label:** Not applicable.

**IMDG-CODE:** Not regulated for transport of dangerous goods.

**ICAO/IATA-DG:** Not regulated for transport of dangerous goods.

**UN-ADR:** Not regulated for transport of dangerous goods.

## Section 15-Regulatory Information

**International chemical inventory**

| Component        | EINECS | TSCA | DSL | IECSC | NZIoC | PICCS | KECI | AICS | ENCS |
|------------------|--------|------|-----|-------|-------|-------|------|------|------|
| Activated Carbon | √      | ×    | √   | √     | √     | √     | √    | √    | ×    |

【EINECS】

European Inventory of Existing Commercial Chemical Substances.

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|         |                                                             |
|---------|-------------------------------------------------------------|
| 【TSCA】  | United States Toxic Substances Control Act Inventory.       |
| 【DSL】   | Canadian Domestic Substances List.                          |
| 【IECSC】 | China Inventory of Existing Chemical Substances.            |
| 【NZIoC】 | New Zealand Inventory of Chemicals.                         |
| 【PICCS】 | Philippines Inventory of Chemicals and Chemical Substances. |
| 【KECI】  | Existing and Evaluated Chemical Substances.                 |
| 【AICS】  | Australia Inventory of Chemical Substances.                 |
| 【ENCS】  | Existing And New Chemical Substances.                       |

## Note

“√” Indicates that the substance included in the regulations.

“×” That no data or included in the regulations.

## Section 16-Additional Information

**References:** None.

**Other information:** The above information is based on the data of which we are aware and is believed to correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

\*\*\*\*\*End of Report\*\*\*\*\*

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