

Creat Lead

DATE PREPARED: 4/Jun/2020
REVISION NUMBER: 4/Jun/2020

NO.1479 POXI 599 POHU CHANGGE
XUCHANG CITY, HENAN PROVINCE
PHONE :+86-13603031941

SECTION 1 -- PRODUCT AND COMPANY IDENTIFICATION

- **Product Name:** Activated Carbon
- **Synonyms:** Activated charcoal
- **CAS Number:** 64365-11-3
- **Customers Tariff Code:** 380210
- **Manufacturer Information:** Henan Creat Lead Industrial Technology Co., Ltd

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

- **Chemical Name:** Activated Carbon
- **CAS Number:** 64365-11-3
- **Percent (%):** Carbon (90 to 100%), Inert ingredients (0 to 10%)
- **Others:** This particular form of carbon is prepared by steam activated process.
Testing using methods in 49 CFR173 Appendix E has shown the product does not meet the definition of Hazard class 4.2. This product is classified as hazardous by criteria Specified in 29CFR 1910.1200 (Hazard Communication)

SECTION 3 -- HAZARDS IDENTIFICATION

- **Emergency Overview:** Activated carbon is a black, odorless powder or granule.
Non-flammable but can support combustion.
- **Health Hazards:**
 - **Inhalation:** Dust may cause respiratory irritation.
 - **Skin Contact:** May cause irritation with prolonged exposure.
 - **Eye Contact:** Dust may cause irritation.
 - **Ingestion:** Generally low toxicity, but large quantities may cause discomfort.
 - **Environmental Hazards:** Not hazardous, but may impact water systems if released in large quantities.

SECTION 4 -- FIRST AID MEASURES

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash skin with soap and water.
- **Eye Contact:** Flush eyes with water for at least 15 minutes. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth with water. Seek medical advice if large amounts are ingested.

SECTION 5 -- FIRE FIGHTING MEASURES

- **Flashing point :** 400 °C to 500 °C
- **Suitable Extinguishing Media:** Water spray, foam, dry powder, or CO₂.
- **Fire Fighting Procedures:** Use water spray to cool unopened containers.
- **Special Exposure Hazards:** Steam activated carbon is combustible but not easily ignitable below 200C and self-ignition in air is at well above 350C. Activated carbon is an electrical conductor and should therefore not be allowed to accumulate as dust on open electrical circuits. Electrical outlets, lights and motors in dry carbon feed and storage areas should be of such construction as to preclude the entrance of carbon dust. Suspension of powdered activated carbon may explode if exposed to strong sources of ignition. Upon combustion, this product may emit carbon monoxide and low molecular weight hydrocarbons. Other materials adsorbed on to the carbon also be released during combustion.
- **Special Protective Equipment:** Firefighters should wear full protective gear and self-contained breathing apparatus.

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Wet activated carbon removes oxygen from air causing a severe hazard to all 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.
- **Environmental Precautions:** Prevent from entering drains or waterways.

- **Clean-up Methods:** Sweep or vacuum up material and place in a suitable container for disposal. Avoid creating dust.

SECTION 7 -- HANDLING AND STORAGE

- **Handling:** Avoid generating or breathing dust. Use appropriate PPE.
- **Storage:** Store in a cool, dry place. Keep container tightly closed and away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be no smoking areas. Use non sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (Dust, solids): observe all warnings and precautions listed for the product.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Engineering Controls:** Use local exhaust or general ventilation to keep dust levels down.
- **Personal Protective Equipment (PPE):**
 - **Respiratory:** Use a dust mask or respirator if dust formation occurs.
 - **Skin:** Wear gloves and protective clothing.
 - **Eyes:** Safety goggles.
- **Ingestion:** No adverse effects expected. May cause mild irritation to the gastrointestinal tract. The oral LD 50 (Rat) is 10g/kg.

Health Rating: 1-Slight

Flammability Rating: 3-Severe (Flammable)

Reactivity Rating: 1- Slight

Contact Rating: 1-Slight

Lab Protective Equip: GOOGLES; LAB COAT; CLASS - B EXTINGUISHER
Strong Color Code: Orange (General Code)

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Black powder or granules
- **Odor:** Odorless
- **PH:** Neutral (varies depending on impurities)
- **Melting Point:** >3000°C

Specific Gravity/Density: at 23 °C - 1.5 to 1.8.

Vapor Pressure at 20 °C (MM Hg): 1

- **Solubility:** Insoluble in water

SECTION 10 -- STABILITY AND REACTIVITY

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Avoid high temperatures, sparks, and open flames.
- **Incompatible Materials:** Strong oxidizers.
- **Hazardous Decomposition Products:** Carbon oxides may form if burned.

SECTION 11 -- TOXICOLOGICAL INFORMATION

- **Acute Toxicity:** Low toxicity; dust may irritate respiratory tract.
- **Skin Irritation:** Possible mild irritation with prolonged exposure.
- **Eye Irritation:** Possible irritation from dust.
- **Chronic Effects:** Long-term exposure to dust may affect respiratory health.
- **Carcinogenicity:** No information found
- **Mutagen city:** No information found
- **Reproductive toxicity:** No information found.

SECTION 12 -- ECOLOGICAL INFORMATION

- **Persistence in the environment:** No information found
- **Toxic effects on organisms:** No information found
- **Fish:** No information found
- **Daphnia Megna:** No information found
- **Birds:** No information found.
- **Environmental Impact:** Not harmful in small amounts but can affect aquatic systems in large releases.

13. DISPOSAL CONSIDERATIONS

- **Waste Disposal:** Dispose of in accordance with local, regional, national, and international regulations. Avoid release into water systems.

14. TRANSPORT INFORMATION

- **UN Number:** Not regulated
- **Hazard Class:** Not regulated

15. REGULATORY INFORMATION

- **OSHA:** Not classified as hazardous.
- **TSCA:** Listed
- **Technical CAS No:** 64365-11-3
- **Component name:** Activated Carbon

Then following precautions appear in the 'PRECAUTIONS' section of label / leaflet.

16. OTHER INFORMATION

- **NFPA Ratings:** Health: 0 Flammability: 1 Reactivity: 0
- **Label Hazard Warning:**
CAUTION! ACTIVATED CARBON AFFECTS THE RESPIRATORY AND CARDIOVASCULAR SYSTEMS.
- **Label Precautions:**
Avoid contact with eyes, skin and clothing.
Avoid breathing dust.
Keep container closed.
Use with adequate ventilation.
Wash thoroughly after handling.
- **Label First Aid:**
If inhaled, remove to fresh air. Get medical attention for any breathing difficulty.
- **Product Use:**
Laboratory Reagent.
- **Disclaimer:** Information provided in this document is believed to be accurate.
However, no warranty is expressed or implied. Always follow manufacturer's recommendations and consult local regulations.