



# Safety Data Sheet

**Product Name:** AC-100 ACTIVATED CARBON

**Issue Date:** 03/10/2021

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910, 1200. Standard must be consulted for specific requirements.

## 1. Chemical Product and Company Identification

### AC-100 ACTIVATED CARBON

#### COMPANY IDENTIFICATION

Epicor, Incorporated  
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Linden, New Jersey 07036  
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E-mail: epicorinc@aol.com

#### 24-HOUR EMERGENCY TELEPHONE NUMBER

(908) 925-0800

## 2. Hazards Identification

### Hazard Classification

This material is considered an irritant under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

### Irritant

Label elements  
Hazard pictograms



Signal word: **WARNING!**

### Hazards

Causes eye irritation  
Causes skin irritation

**Emergency Overview:**

Activated carbon particles on the floor make the floor slippery. Particles may irritate the eyes and cause mechanical injury.

Wet activated carbon depletes oxygen from the air, and therefore dangerously low levels of oxygen may be encountered in enclosed spaces. Before entering a vessel, workers should determine its oxygen content and work procedures for potentially low oxygen areas should be followed.

**Fire & Explosion Hazards:**

The adsorption of organic compounds onto activated carbon generates heat. In rare instances, adsorbed compounds may also react on the carbon surface to generate additional heat. If these heat sources are not properly dissipated, the carbon bed temperature may rise to the point where the carbon can ignite, leading to a fire or other hazardous condition.

**Potential Health Effects**

**Eye Contact:** Dust that contacts eyes may be irritating or cause mechanical injury.

**Skin Contact:** Dust may cause slight irritation.

**Inhalation:** Dust may be irritating to the respiratory tract and cause coughing or sneezing.

**3. Composition Information**

Component	CAS #	
Water	7732-18-5	40-50 %
Carbon -Activated Carbon	7440-44-0	50-60 %

**4. First-aid Measures**

**Eye Contact:** Flush eyes with large amount of water for at least fifteen minutes. Consult a physician if irritation persists.

**Skin Contact:** Wash skin with soap and water for five minutes.

**Inhalation:** Move person to fresh air; if effects occur, consult a physician.

**5. Fire Fighting Measures**

**Extinguishing Media:** Water. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers.

**Fire Fighting Procedures:** Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone.

**Special Protective Equipment for Firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

**Hazardous Combustion Products:** Contact with strong oxidizing or reducing agents may result in rapid combustion. When burned, hazardous products of combustion including carbon oxides can occur.

## 6. Accidental Release Measures

**Steps to be Taken if Material is Released or Spilled:** Contain spilled material if possible. Sweep up. Recover spilled material if possible. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

**Personal Precautions:** Only trained and properly protected personnel must be involved in clean-up operations. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

**Environmental Precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

## 7. Handling and Storage

### Handling

**General Handling:** Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. Avoid generating and breathing dust. Good housekeeping and controlling of dusts are necessary for safe handling of product. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

### Storage

Store in a dry place. Keep container tightly closed when not in use. Preferred storage temperature is in the lower half of the range given below.

**Shelf life:** Use within shelf life date specified on product label.

**Storage temperature:** 0 - 50 °C

## 8. Exposure Controls / Personal Protection

### Exposure Limits

None established

### Personal Protection

**Eye/Face Protection:** use ANSI approved safety glasses with side shields.

**Skin Protection:** Wear clean, body-covering clothing.

**Hand protection:** Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride ("PVC" or "vinyl"). Avoid gloves made of: Polyvinyl alcohol ("PVA"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

**Respiratory Protection:** Use a NIOSH approved particulate filter respirator.

### Engineering Controls

**Ventilation:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations.

## 9. Physical and Chemical Properties

<b>Physical State</b>	Granular
<b>Color</b>	Black
<b>Odor</b>	Odorless
<b>Vapor Pressure (mm Hg)</b>	Not applicable
<b>Vapor Density (Air = 1)</b>	Not applicable
<b>Boiling Point</b>	Not applicable
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity</b>	0.25 – 0.60 g/cc
<b>Melting Point</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable

## 10. Stability and Reactivity

### Stability/Instability

Stable under recommended storage conditions. See Storage, Section 7.

**Conditions to Avoid:** Avoid contact with strong oxidizing and/or reducing agents.

**Incompatible Materials:** Avoid contact with oxidizing materials. Oxidizing agents such as nitric acid attack organic exchange resins under certain conditions. Before using strong oxidizing agents, consult sources knowledgeable in handling such materials.

### Hazardous Polymerization

Will not occur.

## 11. Toxicological Information

### Acute Toxicity

#### Inhalation

LD50, Rat > 64.4 mg/l

#### Skin Absorption

The dermal LD50 has not been determined.

#### Repeated Dose Toxicity

No relevant information found.

#### Chronic Toxicity and Carcinogenicity

No relevant information found.

#### Developmental Toxicity

No relevant information found.

### **Reproductive Toxicity**

No relevant information found.

### **Genetic Toxicology**

No relevant information found.

## **12. Ecological Information**

### **ECOTOXICITY**

The material, in its original state, is not harmful to the environment.

## **13. Disposal Considerations**

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device. Landfill.

## **14. Transport Information**

**DOT Non-Bulk**  
NOT REGULATED

**DOT Bulk**  
NOT REGULATED

**IMDG**  
NOT REGULATED

**ICAO/IATA**  
NOT REGULATED

*This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.*

## 15. Regulatory Information

### OSHA Hazard Communication Standard

This product is considered an irritant under the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

<b>Immediate (Acute) Health Hazard</b>	Yes
<b>Delayed (Chronic) Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Reactive Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No

### Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

### California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

### US. Toxic Substances Control Act

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

### European Inventory of Existing Commercial Chemical Substances (EINECS)

The components of this product are on the EINECS inventory or are exempt from inventory requirements.

### CEPA - Domestic Substances List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

## 16. Other Information

### Hazard Rating

	Health	Fire	Reactivity
<b>HMIS</b>	1	1	0

*The information contained herein relates only to the specific material identified. Epicor Incorporated believes the information is accurate and reliable as of the date of this safety data sheet, but no representation, guarantee or warranty, express or implied, is made to the accuracy, reliability, or completeness of the information. Epicor Incorporated urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.*