



## MATERIAL SAFETY DATA SHEET

### AF SERIES ACTIVATED CARBON CARTRIDGE

**Product Name:** AF-10-1050, AF-20-1050, AF-10-1040-BB, AF-20-1040-BB, AF-10-1051, AF-20-1051, AF-10-1041-BB, AF-20-1041-BB, AF-10-1054, AF-10-1054-2, AF-20-1054, AF-10-1043-BB, AF-20-1043-BB, AF-10-1052, AF-20-1052, AF-10-1046-BB, AF-20-1046-BB

Activated Granular Carbon  
Effective Date: 01/02/12

#### 1. Company Information:

**Company Address:**

Aries Filterworks  
1 ResinTech Plaza  
160 Cooper Road  
West Berlin, NJ 08091 USA

**Information Numbers:**

**Phone Number:** 856-768-9600  
**Fax Number:** 856-768-9601  
**Email:** aries@resintech.com  
**Website:** [www.ariesfilterworks.com](http://www.ariesfilterworks.com)

#### 2. Composition/Ingredients:

**Activated carbon 100%**

- PCL & TLV values not reported as TWA values unless otherwise noted.
- TWATLV Not Established

**Cas. # 7440-44-0**

**Proper Shipping Name:**

Not Regulated

**Dot Hazard Class:**

Not Applicable

**Dot Identification Number:**

Not Applicable

**Packing Group:**

Not Applicable

#### 3. Physical/Chemical Data:

**Boiling Point:**

Not Applicable

**Vapor Pressure (MM HG):**

Not Applicable

**Evaporation Rate (water = 1):**

Not Applicable

**Appearance & Odor:**

Black Granules with no odor

**Specific Gravity:**

(water = 1) 1.8-2.1

**Melting Point (deg. F)**

Not applicable

**Solubility in Water:**

Insoluble

**Packing Density:**

4 to .7 g/cc

**Exposure Guidelines:**

**OSHA PEL**  
5 MG/M3

**ACGIH TLV**  
10 mg/M3



## AF Series Activated Carbon Cartridge

(Resp.)	(Total)
(* PELs and TLVs are 8-hour TWAs unless otherwise noted.)	

Product Hazard Rating	Scale
Toxicity = 0	0 = Negligible

Fire = 0	1 = Slight
Reactivity = 0	2 = Moderate
Special – N/A	3 = High
	4 = Extreme

### 4. Fire & Explosion Hazard Data

**Flammable Limits:**

Non-Flammable

**Unusual Fire & Explosion Hazards:**

Contact with strong oxidizers: such as ozone or liquid oxygen, chlorine, permanganate may cause rapid combustion.

**Hazardous Combustion Products:**

Irritating and/or toxic gases due to decomposition of the product may be generated during a fire.

**Extinguishing Media:**

Water, CO<sub>2</sub>, Talc, Dry Chemical, Foam

**Special Fire Fighting Procedures:**

MSHA/NIOSH approved self-contained breathing gear operated in the positive pressure mode.

### 5. Reactivity Data

**Stability:**

Stable

**Conditions to Avoid:**

Moist air will reduce operating life

**Hazardous by Products:**

Oxides of Carbon

**Materials to avoid contact with:**

Acids and strong oxidizing agents

**Hazardous Polymerization:**

Does not occur

**Storage:**

Store in a cool dry place

### 6. Health Hazards & Sara (Right to Know)

**Emergency First Aid Procedures:**

Contact with eyes and skin can cause irritation. Ingestion of powder can cause irritation to GI tract. Inhalation of dust may be irritating to the respiratory tract. Ingestion and inhalation should cause no harmful effects. See a physician if irritation persists. Flush eyes with water for 15 minutes. Wash skin with soap and water.

**Carcinogenicity:**

Not Applicable

**Sara – title 3, sections 311 & 312:**

All ingredients are non-hazardous

### 7. Control Measures

**Respiratory protection:**

Not required for normal uses if irritation occurs use NIOSH approved respirator.



## **AF Series Activated Carbon Cartridge**

<b>Eye protection:</b>	Splash goggles recommended for all handling
<b>Ventilation:</b>	Normal
<b>Protective Gloves:</b>	Wear gloves, which are impervious to dust

### **8. Safe handling procedures**

<b>In Case of Spills:</b>	Sweep up material and transfer to containers. Clean spills, in a manner, that does not disperse dust into the air.
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### **9. Warning**

Wet activated carbon depletes oxygen from the air and therefore dangerously low levels of oxygen may be encountered. Whenever workers enter a vessel containing activated carbon, the vessel's oxygen content should be determined and work procedures for potentially low oxygen areas should be followed.

### **10. Regulatory Information**

<b>TSCA:</b>	The ingredients of this product are on the TSCA inventory list.
<b>OSHA:</b>	Non-hazardous according to definitions of health hazard and physical hazard provided in the hazard communication standard (29 CFR 1910.1200)
<b>CANADA WHMIS Classification: DSL #</b>	Not Classified 6798

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