



MATERIAL SAFETY DATA SHEET

AF SERIES CATALYTIC CARBON CARTRIDGE

Product Name: AF-10-1053, AF-20-1053, AF-10-1042-BB, AF-20-1042-BB

Catalytic Activated 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

2. Composition/Ingredients:

Activated carbon 100%

- PCL & TLV values not reported as TWA values unless otherwise noted.
- TWA/TLV 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	ACGIH TLV
5 MG/M3 (Resp.)	10 mg/M3 (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



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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 ₂ , 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.
Eye protection:	Splash goggles recommended for all handling
Ventilation:	Normal
Protective Gloves:	Wear gloves, which are impervious to dust



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8. Safe handling procedures

In Case of Spills:

Sweep up material and transfer to containers. Clean spills, in a manner, that does not disperse dust into the air.

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

TSCA:

The ingredients of this product are on the TSCA inventory list.

OSHA:

Non-hazardous according to definitions of health hazard and physical hazard provided in the hazard communication standard (29 CFR 1910.1200)

CANADA

WHMIS Classification:

Not Classified

DSL #

6798

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