

Safety Data Sheet

Product Name: AF-xx-3695, AF-xx-3695-BB

(Arsenic Removal Cartridge)
Effective March 2015

Section 1: Identification

1a Product Name AF-10-3695, AF-20-3695, AF-10-3695-BB, AF-20-

3695-BB

1b Common Name Arsenic removal cartridge.

1c Intended use Arsenic removal from potable water and other general

anion exchanges.

1d Manufacturer Aries FilterWorks

Address 117 Jackson Road,

Berlin, NJ 08009 USA

Phone 856-626-1550

Email info@ariesfilterworks.com

Section 2: Hazard Identification

2a OSHA Hazard classification Not hazardous or dangerous

Product Hazard Rating	Scale
Health = 0	0 = Negligible
Fire = 1	1 = Slight
Reactivity = 0	2 = Moderate
Special – N/A	3 = High
	4 = Extreme

2b Product description Black or red colored solid beads approximately 0.6

mm diameter with little or no odor.

2c Precautions for use Safety glasses and gloves recommended. Slipping

hazard if spilled.

2c Potential health effects Will cause eye irritation.

May cause mild skin irritation.

Ingestion is not likely to pose a health risk.

2d Environmental effects This product may alter the pH of any water that

contacts it.

Section 2A: Hazard classification UN OSHA globally harmonized system



WARNING

(contains ion exchange resin)

H320: Causes eye irritation (Category 2B)

Precautionary Statements

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses if present and easy to do – continue rinsing.

P333+313: If skin irritation or a rash occurs: Get medical advice/attention.

P337+313: If eye irritation persists get medical advice/attention.

P403+233: Store in a well-ventilated place. Keep container tightly closed.

P411: Store at temperatures not exceeding 50 °C/ 122 °F.

Please refer to the safety data sheet for additional information regarding this product

Aries FilterWorks.
117 Jackson Road
Berlin, NJ 08009
856 626-1550
Info@ariesfilterworks.com

Section 3: Composition/Information on Ingredients

3a Chemical name Dimethyl ethanolamine functionalized

chloromethylated copolymer of polystyrene in the chloride form impregnated with hydrated iron oxide.

3b Ingredients

Dimethyl-ethanolamine functionalized chloromethlyated copolymer of styrene and divinylbenzene in the

CAS# 69011-15-0 (35 - 50%)

chloride form

3c Ferric hydroxide CAS# 20344-49-4 (10 – 20%) Water CAS# 7732-18-5 (30 – 45%)

Section 4: First Aid Measures

4a Inhalation No adverse effects expected - normal use of product

does not produce odors or vapors.

4b Skin Wash with soap and water - seek medical attention if

a rash develops.

4c Eye contact Wash immediately with water - seek attention if

discomfort continues.

4d Ingestion No adverse effects expected for small amounts, larger

amounts can cause stomach irritation.

Seek medical attention if discomfort occurs.

Section 5: Fire Fighting Measures

5a Flammability NFPA Fire rating = 1

5b Extinguishing media Water, CO2, foam, dry powder

5c Fire fighting Procedures Follow general fire fighting procedures indicated in the

work place. Seek medical attention if discomfort

continues.

5d Protective Equipment MSHA/NIOSH approved self-contained breathing

gear, full protective clothing.

5e Combustion Products Carbon oxides and other toxic gasses and vapors.

5f Unusual Hazards Product is not combustible until moisture is removed.

Resin begins to burn at approximately 230° C. Auto

ignition can occur above 500° C

Section 6: Accidental Release Measures

6a Personal Precautions Keep people away, spilled resin can be a slipping hazard, wear gloves and safety glasses to minimize

skin or eye contact.

6b Incompatible Chemicals Strong oxidants can create risk of combustion

products similar to burning.

6c Environmental Precautions Keep out of public sewers and waterways.

6d Containment Materials Use plastic or paper containers.

6e Methods of Clean-up Sweep up material and transfer to containers.

Section 7: Handling and Storage

7a Handling Avoid prolonged skin contact. Avoid contact with

salts or with salty water to prevent premature

exhaustion of the resin. Keep resin moist and avoid

allowing resin to completely dry.

7b Storage Store in a cool dry place (0° to 45° C) in the original

shipping container. This product is thermally sensitive

and will have reduced shelf life if subjected to

extended periods of time at temperatures exceeding 50° C. Although freezing does not usually damage ion exchange resins, avoid repeated freeze thaw

cycles.

7c TSCA considerations Ion exchange resins should be listed on the TSCA

Inventory in compliance with State and Federal

Regulations.

Section 8: Exposure Controls/Personal Protection

8a OSHA exposure limits None noted.

8b Engineering Controls Provide adequate ventilation.

8c Personal Protection Measures

Eye Protection Safety glasses or goggles.
Respiratory Protection Not required for normal use.

Protective Gloves Recommended for extended contact.

Section 9: Physical and Chemical Properties

Appearance Black or red beads approx 0.6 mm diameter.

Flammability or explosive limits Flammable above 500° C

Odor Little or no odor

Physical State Solid

Vapor pressure
Odor threshold
Vapor density
pH

Not available
Not available
Not available
Near neutral.

Relative density Approx 800 grams/Liter

Melting point/freezing point

Does not melt, freezes at approx. 0 C

Solubility

Insoluble in water and most solvents

Boiling point Does not boil
Flash point Approx 500° C
Evaporation rate Does not evaporate

Partition Coefficient (n-octonol/water)

Auto-ignition temperature Decomposition temperature

Viscosity

Not applicable
Approx 500° C
Above 230° C
Not applicable

Section 10: Stability and Reactivity

10a Stability Stable under normal conditions.

10b Conditions to Avoid Heat, exposure to strong oxidants.

10c Hazardous by-products Dimethyl-ethanolamine, charred polystyrene, aromatic

acids and hydrocarbons, organic amines, nitrogen oxides, carbon oxides, chlorinated hydrocarbons.

10d Incompatible materials Strong oxidizing agents (such as HNO₃)

10e Hazardous Polymerization Does not occur

Section 11: Toxicological Information

11a Likely Routes of Exposure Oral, skin or eye contact.

11b Effects of exposure

Delayed None known.
Immediate (acute) None known.
Chronic None known.

11c Toxicity Measures

Skin Adsorption Unlikely.

Ingestion Oral toxicity believed to be low but no LD50 has

been established.

Inhalation None known.

11d Toxicity Symptoms

Skin Adsorption

Ingestion Indigestion or general malaise.

Inhalation Unknown.

11e Carcinogenicity None known

Section 12: Ecological information

12a Eco toxicity Not acutely harmful to plant or animal life.

Mild rash.

12b Mobility Insoluble.

12c Biodegradability Not biodegradable.

12d Bioaccumulation Insignificant.

12e Other adverse effects Not Harmful to the environment.

Section 13: Disposal Considerations

13a General considerations Material is non-hazardous.

13b Disposal Containers Most plastic and paper containers are suitable.

13c Disposal methods No specific method necessary.

13d Sewage Disposal Not recommended.

13e Precautions for incineration May release organic amines and toxic vapors when

burned.

13f Precautions for landfills Resins used to remove hazardous materials may then

become hazardous mixtures.

Section 14: Transportation Information

14a Transportation Class Not classified as a dangerous good for transport by

land, sea, or air.

14b TDGNot regulated.14c IATANot regulated.14d DOT (49 CFR 172.101)Not Regulated.

Section 15: Regulatory Information

15a CERCLANot regulated15b SARA Title IIINot regulated15c Clean Air actNot regulated15d Clean Water ActNot regulated15e TSCANot regulated

15f Canadian Regulations

WHMIS Not a controlled product

Not regulated Not Dangerous

Section 16: Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that their activities comply with federal, state, and local laws.

16 Date of Revision 19 June 2018