1.1 Product identifiers

Product name : Inline Particle Filter

Product Number : AR980, AR1699, AR6504

CAS-No. : Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory use

1.3 Details of the supplier of the safety data sheet

Company : Alpha Resources, Inc.
3090 Johnson Rd.
Stevensville, MI 49127
USA

Telephone : 269-465-5559
Fax : 269-465-3629

1.4 Emergency telephone number

Emergency Phone # : (800) 424-9300

SECTION 2: PRODUCT INGREDIENTS

INGREDIENT NAME	CAS NUMBER	%	PEL and TLV
Fibrous glass	65997-17-3	50 – 75	5 mg/m3 (OSHA) 1 respirable fiber/cc (ACGIH)
Poly(Vinylidene Fluoride)	24937-79-9	25 – 50	10 mg/m3 (ACGIH)

SECTION 3: HAZARD IDENTIFICATION

Health Hazards

Overview:

Under normal conditions of use, this product is not expected to create any unusual emergency hazards.

Fibrous glass may be an irritant to respiratory system, skin and eyes. Breathing large amounts of dust or fibers may lead to chronic health effects, as discussed below. Glass fibers in this product are bonded with an adhesive. Under normal use, exposure to glass fibers is minimal.

Inhalation of the thermal decomposition products of poly(vinylidene Fluoride) is hazardous to health. Thermal decomposition can occur at temperatures greater than 600 F (315 C). Contamination of tobacco products must be avoided. Wash hands with soap and water, immediately after handling.

Acute (short-term) health effects:

Dust from this product is a mechanical irritant. It may cause irritation to the throat, eyes and skin. Exposure to fumes from high temperature processing (>600 F), may give rise to a condition called "polymer fume fever". "Polymer fume fever" causes influenza-type symptoms, occurring a few hours after exposure and lasting up to 48 hours.

Chronic (long-term) health effects:

IARC classifies glass wool as possibly carcinogenic to humans, Group 2B.

Repeated exposure to thermal decomposition fumes may lead to adverse effects on the lungs and fluorosis. Exposure to these combustion/decomposition products must be avoided.

SECTION 4: FIRST AID MEASURES

Inhalation:

Remove to fresh air. Drink water to clear throat and blow nose to remove fibers. If inhalation of thermal decomposition products is suspected. Seek emergency medical attention.

Skin contact:

Wash with soap and water. Wash hands, immediately, after handling.

Skin absorption:

Not expected to occur.

Ingestion:

Irritation of the gastrointestinal tract may occur, and should be treated symptomatically. Rinse mouth with water to remove fibers and drink plenty of water to help reduce the irritation. Do not give anything, by mouth, to an unconscious person.

Eye contact:

Do not rub or scratch your eyes. Dust particles may cause lens of the eye to be scratched. Flush eyes with large amounts of water for 15 minutes.

SECTION 5: FIRE FIGHTING MEASURES

HAZARDOUS COMBUSTION PRODUCTS:

Combustion or thermal decomposition will evolve toxic and corrosive vapors.

FIRE FIGHTING EQUIPMENT:

Wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL SPILL

Procedures for containing spill:

Vacuum dusts. If sweeping, use water as a dust suppressant.

Waste management:

Discarded product is not a hazardous waste under RCRA 40 CFR 261. Comply with all federal, state and local regulations when disposing.

SECTION 7: HANDLING AND STORAGE

Use rubber gloves. Keep product dry, for product consistency.

SECTION 8: PERSONAL PROTECTION

Goggles:
Recommended.
Gloves:
Recommended.
Respirator:
If exposure to dust is likely, use NIOSH approved, high efficiency, respirator.
Ventilation:
Local exhaust ventilation should be available to remove dust and airborne particles.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid
Melting point: 155-165 C

SECTION 10: PHYSICAL AND CHEMICAL HAZARDS

Unusual fire/explosion hazards:
At temperatures above 600 F, hydrogen fluoride may begin to evolve.
Reactivity:
This product is not reactive.
Hazardous decomposition product:
Thermal decomposition products are toxic and corrosive.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity;
General Product Information
Dust from this product could be a mechanical irritant, which means it may cause temporary irritation or scratchiness of the throat and/or itching of the eyes or skin.
LD50/LC50
Not available.
Carcinogenicity
Component Carcinogenicity
Special Purpose Glass Fiber Respirable Size (65997-17-3)
ACGIH: A3 – Animal Carcinogen (related to Glass wool fibers)
NTP: Suspect Carcinogen (related to Glasswool) (Possible Select Carcinogen)
IARC: Monograph 43, 1988 (related to Glasswool) (Group 2B (possibly carcinogenic to humans))

SECTION 12: ECOLOGICAL INFORMATION

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

General Product Information

This product, as supplied, is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations.

Disposal Instructions

Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.

SECTION 14: TRANSPORTATION INFORMATION

This product is not classified as a hazardous material for Transport.

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A) SARA Section 313 (40 CFR 372.65) and/or CERCLA (40CFR 302.4)
Special Purpose Glass Fiber Respirable Size (65997-17-3)

State Regulations

The following components appear on one or more of the following state hazardous substances lists;

Special Purpose Glass Fiber Respirable Size (65997-17-3) CA, MA, MN, PA

This product contains a chemical known to the state of California to cause cancer.

TSCA STATUS:

All components of this product are listed on the TSCA Inventory.

EINECS

Special Purpose Glass Fiber Respirable Size (65997-17-3)

SECTION16: OTHER INFORMATION

Sources of Data:

To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.