

1 – Product and Company Information

Product: Aemion™ 1, Iodide form
Product Brand: Aemion™ Ionomer
Product Use: For research purposes only

Company Information:

Ionomr Innovations Inc.
2386 East Mall – Suite 111
Vancouver, BC
Canada, V6T 3Z9

2 – Hazards Identification

Emergency Overview

WHMIS Classification: Not WHMIS controlled

HMIS Classification

Health Hazard: 0
Flammability: 0
Physical Hazards: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
Skin: May be harmful if absorbed through the skin. May cause skin irritation.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

3 – Composition

Name: Aemion™ Ionomer, Iodide form
Composition: 100%

4 – First Aid Measures

If inhaled:

Move person to fresh air. If not breathing, give artificial respiration.

In case of skin contact:

Wash off with soap and plenty of water.

In case of eye contact:

Flush eyes with water as a precaution.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5 – Firefighting Measures

Conditions of flammability:

Not flammable or combustible. Material will not burn under normal conditions.

Suitable extinguishing media:

Use water spray, dry chemical or carbon dioxide. Material will not burn under normal conditions, so use media appropriate to surrounding materials.

Special protective equipment for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous combustion products:

Possible hazardous decomposition products formed under fire conditions: carbon oxides, nitrogen oxides, hydrogen cyanide, hydrogen iodide.

Explosion data – sensitivity to mechanical impact:

No data available.

Explosion data – sensitivity to static discharge:

No data available.

6 – Accidental Release Measures

Personal precautions:

Avoid dust formation. Avoid breathing vapours, mist and aerosols.

Environmental precautions:

Do not let product enter drains.

Methods and materials for containment:

Vacuum or sweep up and shovel. Keep in suitable, closed containers for disposal.

7 – Handling and Storage

Precautions for safe handling:

Provide adequate exhaust ventilation at places where the material is handled and dust may be formed. Employ normal measures for preventative fire protection.

Conditions for safe storage:

Keep containers tightly closed and store in a dry, ventilated space.

8 – Exposure Control/Personal Protection

Personal protective equipment:

Respiratory protection: Respiratory protection is not specifically required. Where protection from nuisance levels of dust is required, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards, such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Choose body protection based on the specific work-place practices already in place.

Hygiene measures: General industrial hygiene practice.

Specific engineering controls: Use mechanical exhaust or laboratory fumehood to avoid exposure to dust as a precautionary measure.

9 – Physical and Chemical Properties

Appearance:

Form: powder or thin film.

Colour: beige/tan powder, yellow transparent film.

Chemical properties:

pH stability: 0-14, indefinitely stable in 2M KOH at 60 °C.

Melting point/freezing point: infusible, decomposes >300 °C.

10 – Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Chemically and thermally stable.

Conditions to avoid: No data available.

Materials to avoid: Strong oxidizing agents.

Hazardous decomposition products: Possible Hazardous decomposition products formed under fire conditions include carbon oxides, nitrogen oxides (NO_x), hydrogen cyanide, and hydrogen iodide.

11 – Toxicological Information

No data available.

Carcinogenicity: No components of this product present at levels greater than or equal to 0.1% are identified as probable, possible or confirmed human carcinogens.

12 – Ecological Information

No data available.

13 – Disposal Considerations

Not a hazardous waste.

14 – Transport Information

Not a hazardous or dangerous material.

15 – Regulatory Information

Not WHMIS controlled.

DISCLAIMER: Ionomr Innovations, Inc. ("Ionomr") believes that the information contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. It is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application. Further, since the conditions and methods of use are beyond the control of Ionomr, Ionomr expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.