

PIERSICA, INC.

PIRION-F Safety Data Sheet

1. IDENTIFICATION

- **Product Name:** PIRION-F
- **Use:** For Industrial Use Only
- **Manufacturer:** Piersica, Inc
- **Address:** 1729 West Paul Dirac Drive, Tallahassee, FL 32310
- **Email:** hi@piersica.com

2. HAZARD IDENTIFICATION

- **GHS Classification:** Not classified as hazardous under GHS
- **Signal Word:** None
- **Precautionary Statements:** Avoid inhalation of dust

3. COMPOSITION / INGREDIENT INFORMATION

- **Substance:** Polymer
- **Composition:** Carbonate-fluorinated methacrylate copolymer
- **Form:** White to off-white powder or pellets/beads

4. FIRST-AID MEASURES

- **Inhalation:** Move to fresh air. Seek medical attention if irritation persists.
- **Skin Contact:** Wash with soap and water.
- **Eye Contact:** Rinse with water for at least 15 minutes.
- **Ingestion:** Seek medical advice if you experience symptoms such as nausea, bloating, or upset stomach.

5. FIRE-FIGHTING MEASURES

- This material is non-flammable and does not sustain combustion under normal conditions.
- **Extinguishing Media:** Use any standard extinguishing media appropriate for surrounding materials (e.g., water spray, foam, dry chemical, or CO₂).
- **Special Hazards:** Although the material itself is non-flammable, decomposition at elevated temperatures may generate non-toxic gases such as CO₂.
- **Protective Measures:** No special fire-fighting measures are required for this material. Standard protective equipment may be used depending on the fire situation.

6. ACCIDENTAL RELEASE MEASURES

- Avoid dust formation. Sweep up and place in suitable container for disposal. Use proper PPE and ventilate the area.

7. HANDLING & STORAGE

- **Handling:** This material is considered non-toxic and chemically stable under normal use conditions. Handle in accordance with good industrial hygiene and safety practices. Use with adequate ventilation to avoid accumulation of dust (if in powder form). No special precautions are required for toxicity.
- **Storage:** Store in a cool, dry place. Keep container tightly closed.
- **Moisture Sensitivity:** This material is sensitive to moisture, but ONLY at elevated temperatures and in basic (alkaline) environments where hydrolysis may occur.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- **Engineering Controls:** Local exhaust ventilation
- **PPE:** Safety glasses, protective gloves, lab coat or apron, dust mask or respirator

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** White to off-white powder or pellets
- **Density:** 1.88 g/cm³
- **Solubility:** Soluble in DMF, NMP, DMSO, DMAc
- **Viscosity:**
 - **DMF (25 wt% at rt):** 20,000 cP;
 - **NMP (25 wt% at rt°C):** 116,000 cP;
 - **1M LiPF₆ in EC/DMC/DEC = 1:1:1 (v/v/v) electrolyte solution (0.15 wt% at 60°C):**
Not dissolved
- **Melting Point:** None
- **Glass Transition Temperature:** 0°C
- **Thermal Decomposition Temperature:** 325°C

10. STABILITY AND REACTIVITY

- **Stability:** Stable under normal conditions
- **Incompatibilities:** Strong bases at high temperatures
- **Hazardous Decomposition:** CO₂, hydrocarbons

11. TOXICOLOGICAL INFORMATION

- **Acute Toxicity:** None
- **Inhalation/Skin/Eye Irritation:** No irritation effects are known or expected under normal handling conditions. However, as with all materials, direct contact with dust or particles may cause mechanical irritation to the eyes. Use appropriate protective measures to minimize exposure.
- **Chronic Effects:** No known chronic hazards

12. ECOLOGICAL INFORMATION

- No data available

13. DISPOSAL CONSIDERATIONS

- Dispose according to local, regional, and national regulations.

14. TRANSPORT INFORMATION

- It is not classified as hazardous for transport (non-HazMat).

15. REGULATORY INFORMATION

- Not listed as a controlled or regulated substance.