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Safety Data Sheet (SDS / MSDS)

Product Name: Iodine Prills ($\geq 99.8\%$)

Catalogue Number: ASC-8070

1. Identification

Recommended Use: Laboratory and industrial reagent.

Restrictions: Not for food or pharmaceutical use.

2. Hazard Identification

GHS Classification:

Acute Toxicity (Oral) Category 4

Skin Irritation Category 2

Eye Irritation Category 2

Hazard Statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

3. Composition / Information on Ingredients

Iodine (CAS 7553-56-2) $\geq 99.8\%$

4. First Aid Measures

Inhalation: Move to fresh air.

Skin Contact: Wash with plenty of water.

Eye Contact: Rinse cautiously with water for several minutes.

Ingestion: Rinse mouth. Seek medical advice if unwell.

5. Fire Fighting Measures

Suitable extinguishing media: Water spray, dry chemical, foam.

Hazard: Releases irritating fumes when heated.

6. Accidental Release Measures

Avoid dust generation.

Collect spilled material and dispose properly.

7. Handling and Storage

Handle in well-ventilated area.

Avoid contact with skin and eyes.

8. Exposure Controls / Personal Protection

Wear protective gloves, eye protection, and lab coat.

Use respiratory protection if dust is generated.

9. Physical and Chemical Properties

Appearance: Dark violet-black prills

Odor: Characteristic iodine odor

Melting Point: 113.7 °C

10. Stability and Reactivity

Stable under recommended storage conditions.

Avoid reducing agents and strong bases.

11. Toxicological Information

May cause irritation to skin, eyes, and respiratory tract.

12. Ecological Information

Avoid release to environment.

13. Disposal Considerations

Dispose in accordance with local regulations.

14. Transport Information

UN Number: 3495 (Iodine)

Class: 8 (Corrosive)

Packing Group: III

15. Regulatory Information

Subject to hazardous chemical regulations depending on jurisdiction.

16. Other Information

This SDS is provided for laboratory and industrial use.