



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

ASDI Number: 500018717
Address: 601 Interchange Blvd., Newark, DE 19711
Emergency Tel No: (302) 266-6891 ASDI
Fax: (302) 266-8296 ASDI

2. COMPOSITION AND INFORMATION ON COMPONENTS

Product Name: 4-Chloro-2-Fluorophenylacetonitrile
CAS No: 75279-53-7
Synonyms: No data available

3. HAZARDS IDENTIFICATION

Designation: Flammable - By 49CFR Flash Point Below 0F to 100F (<0C to 38C) USA Standards
General Risk: Avoid inhalation, contact with skin or eyes, and ingestion. Follow safe industrial hygiene practices and always wear personal protective equipment when handling this compound.; Harmful if inhaled, swallowed, or absorbed through the skin

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. In cases of serious discomfort seek medical attention. If not breathing, trained personnel should administer oxygen or artificial respiration.
Eye Contact: Flush with copious amounts of water for at least 20 minutes. Seek immediate medical attention.
Skin Contact: Remove contaminated clothing. Rinse affected area with copious amounts of water. Rinse thoroughly. In case of skin damage or persistent irritation seek immediate medical attention. Show the physician the container details.
Ingestion: Rinse mouth with copious amounts of water; Call a physician or poison control center immediately. Induce vomiting only if instructed to do so by medical personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Medium: Extinguish with foam, dry powder, CO₂, or water.; Use fire fighting measures which suit the environment and take into account other materials which may be involved. Use carbon dioxide or dry powder for fires involving this material. In general, water-based extinguishers are not recommended for fires involving organic materials.

Protective Equipment:



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Wear self-contained breathing apparatus and protective clothing. Most compounds emit toxic gases when burning.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection:	Avoid inhalation or contact of spilled material with skin or clothing. Wear protective clothing. Keep unprotected persons away.
Environmental Protection:	Take precautions to ensure product does not contaminate the ground or enter the drainage system.
Collection:	Sweep or vacuum and place into bag for disposal. Minimize dust collection and wear a respirator.; Contain or absorb, as appropriate. Minimize dust generation, where applicable. Dispose according to Section 13.

7. HANDLING AND STORAGE

Handling:	Chemicals should be used only by those trained in handling potentially hazardous materials. Chemical resistant gloves, eye protection and protective clothing should be worn. Operations should be carried out in efficient fume hood or equivalent system. Avoid breathing of dust, vapor, mist, or gas.; Avoid eye contact
Storage:	Store in a cool, dry, well ventilated area. Store in a tightly sealed container. Protect from moisture, heat, ignition sources, and incompatible substances. Protect from direct light. See stability and reactivity for more details on incompatible substances.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory:	Avoid inhalation of product. Handle in an efficient fume hood or equivalent system.
Eye:	Avoid eye contact. Wear safety glasses, goggles or, for larger quantities, a full-face shield.
Hands and Body:	Avoid skin contact. Wear chemical-resistant gloves and, for larger quantities, a full arm and body protection. Wash hands thoroughly after handling.

9. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Appearance:	No data available
Boiling Point:	254.551 (calculated)
Melting Point:	53.23
Molecular Formula:	C ₈ H ₅ ClFN
Water Solubility:	No data available
Flash Point:	No data available
Formula Weight:	169.5872



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Density: No data available
Lower Explosive Limit: No data available
Upper Explosive Limit: No data available
PEL: No data available
Auto Ignition Point: No data available

10. STABILITY AND REACTIVITY

Reacts with Carbon Dioxide; Reacts with carbon monoxide; Reacts with strong oxidizers; Reacts with Nitrogen Oxides

11. TOXICOLOGICAL INFORMATION

Material is irritating to mucous membranes and upper respiratory tract; The toxicological properties of this compound have not been fully investigated. However, as a minimum precaution, it should be considered to be harmful. Precautions should be taken and procedures adopted to prevent exposure. Hazardous decomposition products may occur when this compound comes in contact with other chemicals, fire, or water.; Cause eye and skin irritation.

12. ECOLOGICAL EFFECTS

Take care to prevent chemicals from entering the ground, water bodies, or drainage systems.

13. DISPOSAL CONSIDERATIONS

Disposal should be carried out via an approved contractor according to all federal, state, and local regulations.

14. TRANSPORT INFORMATION

UN Number: 1993
Packing Group: III
Hazard Class: No data available
DOT ShipName: No data available

Other Information:

Class 3 Flammable liquids

15. REGULATORY INFORMATION

None available

16. OTHER INFORMATION

The information on this Material Safety Data Sheet is correct to the best of our knowledge as of the date of publication. This information should be used only as a guide and is not a guarantee of any specific properties. All chemicals should be handled by qualified personnel using proper handling precautions. ASDI cannot accept liability for any loss, damage, or injury that results from the use of this chemical. THIS SUBSTANCE IS FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY.