

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 5-Amino-2-fluorobenzonitrile Synonyms: 3-Cyano-4-fluoroaniline

Company Identification: PI Chemicals Ltd.

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Section 2 - Product Information

Catalog Number: PI-28621
CAS Number: 53312-81-5
MDL Number: MFCD00277872

Purity: 98%

Section 3 - Physical and Chemical Properties

Physical state: Solid

Color:

Odor: Not available Molecular Formula: C₇H₅FN₂ Molecular Weight: 136.13 Freezing/Melting Point: 92.0-96.0 °C **Boiling Point:** Not available Flash Point: Not available Autoignition Temperature: Not available Refractive Index (nD20): Not available Not available Density: Decomposition Temperature: Not available Solubility: Not available

Section 4 - Hazards Identification

Eve: Not available.

Skin: Causes skin irritation. Harmful if absorbed through the skin.

Light yellow



Ingestion: May cause irritation of the digestive tract. Toxic if swallowed.Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Section 5 - First Aid Measures

Eye: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and

lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water and soap for at least 15 minutes while

removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.

Ingestion: Get medical aid immediately. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial

respiration. If breathing is difficult, give oxygen. Get medical aid.

Section 6 - Stability and Reactivity

Chemical Stability: Stable

Materials to avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, Hydrogen fluoride, Nitrogen

oxides.

Hazardous Polymerization: Will not occur.

Section 7 - Handling and Storage

Handling: Do not breathe dust. Keep container tightly closed. Avoid contact with skin ,eyes and clothing.

Wash thoroughly after handling. Avoid prolonged or repeated exposure. Mechanical exhaust required.

Storage: Store at 2-8°C, Store in a tightly closed container.

Section 8 - Personal Protection

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's

eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN

149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure

limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Fire and Explosion Hazard Data

General Information: As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH

(approved or equivalent) and protective clothing to prevent contact with skin



and eyes.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Section 10 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 11 - Toxicological Information

RTECS#: CAS#53312-81-5: Not available.

LD50/LC50: RTECS: Not available.

Carcinogenicity: 5-Amino-2-fluorobenzonitrile- Not listed as a carcinogen by ACGIH, IARC, NTP, or CA

Prop 65.

Section 12 - Environmental information

Not available

Section 13 - Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14 - Transport Information

IATA: This substance is considered to be non-hazardous for air transport.
 IMDG: This substance is considered to be non-hazardous for sea transport.
 RID/ADR: This substance is considered to be non-hazardous for road transport.

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EU Directives

Hazard Symbols: Xi

Indication of Danger: Irritant

Risk Phrases:

R 38-41: Irritating to skin. Risk of serious damage to eyes.

Safety Phrases:

S 26-39: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection .

WGK (Water Danger/Protection)



CAS#53312-81-5: 3 Self-Classification

Section 16 - Additional Information

MSDS Creation Date: March 15, 2008 Update: May 6, 2008

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