Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

MSDS Name: 2,6-Difluoroaniline
Synonyms: 2,6-Difluorobenzenamine
Company Identification: Shanghai PI Chemicals Ltd.
Room 6-306, Building 2
1341 Pudong South Road
Pudong New Area, Shanghai 200212, China
Telephone Number: 86-21-51389368
Fax Number: 86-21-51389367
Emergency Number: 86-21-51389369

Section 2 – Product Information

Catalog Number: PI-31231
CAS #: 5509-65-9
Purity: 99.0%
EINECS# 226-853-0

Section 3 – Physical and Chemical Properties

Appearance: Yellow to brown liquid
Odor: Not available
Molecular Formula: $C_6H_5F_2N$
Molecular Weight: 129.11
Freezing/Melting Point: Not available
Boiling Point: 51-52°C (15 mmHg)
Flash Point: 43°C
Refractive Index: Not available
Density: 1.1990g/cm^3
Decomposition Temperature: Not available
Solubility: Not available

Section 4 – Hazards Identification

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

Ingestion: May cause irritation of the digestive tract. Toxic if swallowed.

Inhalation: Harmful if inhaled. Causes respiratory tract irritation. Causes irritation of the mucous membrane.

Chronic: Absorption into the body leads to the formation of methemoglobin which in sufficient concentrations causes cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood).

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 under normal temperatures and pressures.

Materials to avoid: Oxidizing agents, strong reducing agents, acids, strong bases, acid chlorides, acid anhydrides, chloroformates.

Conditions to Avoid: Incompatible materials.

Hazardous Decomposition Products: Carbon monoxide, oxides of nitrogen, carbon dioxide, hydrogen fluoride gas.

Hazardous Polymerization: Has not been reported.

Section 7 – Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Keep container tightly closed. Avoid contact with skin and eyes. Wash thoroughly after handling. Mechanical exhaust required.

Storage: Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area

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# 5509-65-9: Unlisted

LD50/LC50: RTECS: Not available

Carcinogenicity: 2,6-Difluoroaniline - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 – Environmental information

Do not empty into drains.

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	IMO	RID/ADR
Shipping Name:	TOXIC SOLID, ORGANIC, N.O.S.*	TOXIC SOLID, ORGANIC, N.O.S.	TOXIC SOLID, ORGANIC, N.O.S.
Hazard Class:	3(6.1)	3(6.1)	3(6.1)
UN Number:	1992	1992	1992
Packing Group:	III	III	III

Section 15 – Regulatory Information

European / International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 10 Flammable.

R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

S 23 Do not inhale gas/fumes/vapour/spray.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 5509-65-9: Not available

Canada

CAS# 5509-65-9: Not available

US Federal

TSCA

CAS# 5509-65-9 is listed on the TSCA Inventory.

Section 16 – Additional Information

MSDS Creation Date: 2/21/2007

Update: Original