

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 6-Methoxy-2-Pyridinecarboxaldehyde
Synonyms: 2-Formyl-6-methoxypyridine, 6-Methoxypyridine-2-carbaldehyde
Company Identification: PI Chemicals Ltd.
Room 512, Building 1
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Telephone Number: 86-21-58953700
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Section 2 - Product Information

Catalog Number: PI-26723
CAS Number: 54221-96-4
MDL Number: MFCD05664030
Purity: 97.0%

Section 3 - Physical and Chemical Properties

Appearance: liquid
Color: Colorless to light yellow
Odor: Not available
Molecular Formula: C₇H₇NO₂
Molecular Weight: 137.14
Freezing/Melting Point: Not available
Boiling Point: 103-104 °C/20 mmHg
Flash Point: 81 °C
Autoignition Temperature: Not available
Refractive Index (n_D20): n₂₀/D 1.532
Density: 1.140 g/mL at 25 °C
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 be harmful 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 under recommended storage conditions.

Materials to avoid: Strong oxidizing agents, bases.

Conditions to avoid: Incompatible materials.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides.

Hazardous Polymerization: Will not occur.

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: Store in a cool, dry well ventilated place away from sources of heat and incompatible substances. Keep container tightly closed when not in use.

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

Acute toxicity: No information available

Local effects: Not available.

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

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xn

Indication of Danger: Not available

Risk Phrases: 22-36/37/38-43

Safety Phrases: 26-36/37/39

WGK (Water Danger/Protection)

CAS# 54221-96-4: 3

Canada

CAS# 54221-96-4: Not available

US Federal

TSCA

CAS# 54221-96-4: is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Additional Information

MSDS Creation Date: March 15, 2006

Update: May 6, 2008

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