

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name: 3-Nitro-1,2,4-triazole
Synonyms:
Company Identification: PI Chemicals Ltd.
Building B, 633 E Shan Road, Pudong New Area
Shanghai 200127, China
Telephone Number: 86-21-58953700
Fax Number: 86-21-58953701

Section 2 - Product Information

Catalog Number: PI-31126
CAS Number: 24807-55-4
MDL Number: MFCD00009749
EC Number: 246-468-1
Purity: 99%

Section 3 - Physical and Chemical Properties

Physical state: Crystal
Color: Light yellow
Molecular Formula: $C_2H_2N_4O_2$
Molecular Weight: 114.06
Freezing/Melting Point: 210 °C (410 °F)
Boiling Point: Not available
Flash Point: Not available
Autoignition Temperature: Not available
Refractive Index (nD20): Not available
Density: Not available
Decomposition Temperature: Not available
Solubility: Not available

Section 4 - Hazards Identification

Eye: May cause eye irritation.
Skin: May cause skin irritation. May be harmful if absorbed through the skin.
Ingestion: May be harmful if swallowed.
Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Section 5 - First Aid Measures

Eye: Flush eyes with water as a precaution.
Skin: Wash off with soap and plenty of water.
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.
Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration.

Section 6 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.
Materials to avoid: Strong oxidizing agents, Strong bases.
Hazardous Decomposition Products: Carbon oxides, nitrogen oxides (NO_x).

Section 7 - Handling and Storage

Handling: Provide appropriate exhaust ventilation at places where dust is formed.
Normal measures for preventive fire protection.
Storage: Keep container tightly closed in a dry and well-ventilated place.
Store under inert gas.

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

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters: Wear self contained breathing apparatus for fire fighting if necessary.

Section 10 - Accidental Release Measures

Personal precautions: Avoid dust formation. Avoid breathing vapors, mist or gas.
Environmental precautions: Do not let product enter drains.
Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 11 - Toxicological Information

RTECS#: CAS# 24807-55-4: Not available.
LD50/LC50: RTECS#: None listed.
Carcinogenicity: 3-Nitro-1,2,4-triazole - Not listed as a carcinogen by ACGIH, IARC, NTP, or OSHA.

Section 12 - Environmental information

Not available.

Section 13 - Disposal Consideration

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging: Dispose of as unused product.

Section 14 - Transport Information

ADR/RID: Not dangerous goods.
IMDG: Not dangerous goods.
IATA: Not dangerous goods.

Section 15 - Regulatory Information

OSHA Hazards: No known OSHA hazards.

DSL Status: This product contains the following components that are not on the Canadian DSL nor NDSL lists.
3-Nitro-1,2,4-triazole CAS-No. 24807-55-4

Safety Phrases:

S 22: Do not breathe dust.
S 24/25: Avoid contact with skin and eyes.

Section 16 - Additional Information

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