

MATERIAL SAFETY DATA SHEET

4-AMINO 1,2,4-TRIAZOLE (Extra Pure) MSDS CAS: 584-13-4

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: 4-AMINO 1,2,4-TRIAZOLE

CAS#: -584-13-4

Synonym: 4H-1,2,4-Triazol-4-amine, 1-Amino-1,3,4-triazole

Chemical Name: Not available.

Chemical Formula: C₂H₄N₄

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: **OXFORD LAB FINE CHEM LLP**
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
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Section 2: Composition and Information on Ingredients

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	CAS-No.	EC-No.	Concentration
4H-1,2,4-Triazol-4-amine	584-13-4	209-533-5	-

Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (See Section 11)

Skin irritation (See Section 11)

Eye irritation (See Section 11)

Specific target organ toxicity - single exposure (See Section 11), H335

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Irritating to eyes, respiratory system and skin.

Label elements

Labelling according Regulation (EC) No 1272/2008

Signal word

Hazard statement(s)

H315

H319

H335

Warning

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

Precautionary statement(s)

P261

P305 + P351 + P338

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Section 4: First Aid Measures

Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

Section 4: First Aid Measures (Continued)

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Indication of any immediate medical attention and special treatment needed

no data available

Section 5: Fire and Explosion Data

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x)

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

no data available

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

Do not let product enter drains.

Section 6: Accidental Release Measures (Continued)

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

Section 7: Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Light sensitive.

Section 8: Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Section 8: Exposure Controls/Personal Protection (Continued)

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection: impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9: Physical and Chemical Properties

Appearance : Form: Crystalline
Odour : no data available
Color : beige
Molecular Weight: 84,08 g/mol
Odour Threshold : no data available
pH : no data available
Melting point/freezing point: 83 - 88 °C
Initial boiling point and boiling range: no data available
Flash point : no data available
Evaporation rate : no data available
Flammability (solid, gas): no data available
Upper/lower flammability or explosive limits: no data available
Vapour pressure : no data available
Vapour density : no data available
Relative density : no data available
Water solubility : no data available
Partition coefficient: no data available
Auto ignition Temperature: no data available
Decomposition temperature: no data available
Viscosity : no data available
Explosive properties: no data available.
Oxidizing properties: no data available
Other safety information: no data available

Section 10: Stability and Reactivity Data

Reactivity: no data available

Chemical stability: no data available

Possibility of hazardous reactions: no data available

Conditions to avoid: no data available

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products: Other decomposition products - no data available

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity: LD50 Oral - rat - 13.600 mg/kg

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Aspiration hazard: no data available

Potential health effects

Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. Causes skin irritation.

Eyes Causes serious eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information

Toxicity: no data available

Persistence and degradability: no data available

Bio accumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment: no data available

Other adverse effects

no data available

Section 13: Disposal Considerations

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

General Information: - Not Regulated

Sea transport (IMDG) [English only]

General Information: - Not Regulated

Air transport (ICAO-IATA) [English only]

General Information: - Not Regulated

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Section 15: Other Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

Section 16 - Additional Information

Full text of H-Statements referred to under sections 2 and 3.

Eye Irrit. Eye irritation
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
Skin Irrit. Skin irritation
STOT SE Specific target organ toxicity - single exposure

Full text of R-phrases referred to under sections 2 and 3
Xi Irritant
R36/37/38 Irritating to eyes, respiratory system and skin.

Disclaimer:

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