



Material Safety Data Sheet (MSDS)

Product Name: Trimethoprim

Catalogue Number: AS-2024

CAS Number: 738-70-5

Molecular Formula: C₁₄H₁₈N₄O₃

Molecular Weight: 290.32 g/mol

Date of Issue: 14 July 2025

Supplier: Ausamics Pty Ltd

Website: www.ausamics.com.au

Email: support@ausamics.com

Phone: +61 412 520 598

Emergency Contact: Poisons Information Centre – 13 11 26 (Australia)

SECTION 1: Identification

- Product Name: Trimethoprim
- Recommended Use: Laboratory chemical, research and development
- **Synonyms:** 5-(3,4,5-Trimethoxybenzyl)pyrimidine-2,4-diamine
- Supplier: Ausamics Pty Ltd
- Address: 31 Longview Court, Thomastown, VIC 3074, Australia
- Emergency Contact: Poisons Information Centre – 13 11 26 (Australia)
- Email: support@ausamics.com

SECTION 2: Hazard Identification

- **Classification (GHS):**
- Acute toxicity (oral) – Category 4
- Eye irritation – Category 2A
- Specific target organ toxicity (repeated exposure) – Category 2
- **Label Elements:** ⚠ **WARNING**
- **Hazard Statements:**
 - Harmful if swallowed.
 - Causes serious eye irritation.
 - May cause damage to organs through prolonged or repeated exposure.
- **Precautionary Statements:**



- Avoid breathing dust.
- Wash thoroughly after handling.
- Do not eat, drink, or smoke when using this product.
- Wear protective gloves, clothing, and eye/face protection.

SECTION 3: Composition / Information on Ingredients

- **Component:** Trimethoprim
- **CAS No.:** 738-70-5
- **Purity:** ≥98% (HPLC, Dry Basis)

SECTION 4: First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms occur.
- **Skin Contact:** Wash with soap and water. Seek medical attention if irritation develops.
- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Seek immediate medical advice.

SECTION 5: Firefighting Measures

- Suitable Extinguishing Media: CO₂, dry chemical powder, foam
- Hazards: May produce toxic fumes under fire conditions
- Protective Equipment: Wear self-contained breathing apparatus and protective clothing

SECTION 6: Accidental Release Measures

- Avoid dust formation.
- Ventilate area.
- Collect spillage using suitable absorbent material.
- Dispose of in accordance with local regulations.

SECTION 7: Handling and Storage

- **Handling:** Avoid contact with skin, eyes, and clothing. Use in well-ventilated area.
- **Storage:** Store in a cool, dry place away from light and incompatible substances.



SECTION 8: Exposure Controls / Personal Protection

- Engineering Controls: Use local exhaust ventilation
- PPE: Gloves (nitrile), Safety goggles, Lab coat, Respiratory protection if dust is generated

SECTION 9: Physical and Chemical Properties

- Appearance: White to off-white crystalline powder
- Odor: Odorless
- Solubility: Slightly soluble in water, soluble in ethanol, DMSO
- Melting Point: ~200–203 °C
- Boiling Point: Not applicable
- Flash Point: Not available
- Stability: Stable under normal conditions
- pH: Not applicable (solid)

SECTION 10: Stability and Reactivity

- Stability: Stable under recommended conditions
 - Incompatible Materials: Strong oxidizing agents
- Hazardous Decomposition Products: Decomposition may release nitrogen oxides.

SECTION 11: Toxicological Information

- Acute Oral Toxicity (Rat): LD₅₀ ~2,000 mg/kg
- May cause gastrointestinal upset, skin/eye irritation.
- Prolonged exposure may affect liver, kidney, or blood system.

SECTION 12: Ecological Information

- Aquatic Toxicity: Toxic to aquatic organisms
- Persistence/Degradability: May persist in aquatic environments
- Bioaccumulation: Low to moderate potential
- Precautions: Avoid release into the environment

SECTION 13: Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations.
- Do not release into drains or the environment.

SECTION 14: Transport Information

- UN Number: Not regulate
- Class: Not classified
- Packing Group: Not applicable
- Proper Shipping Name: Not applicable



SECTION 15: Regulatory Information

- Not listed as a controlled substance under international transport regulations.
- For research use only.

SECTION 16: Other Information

- Intended Use: For laboratory and research use only.
- Not for drug, household, or veterinary use.
- Revision Date: 14 July 2025
- Prepared By: Ausamics Pty Ltd
- The information above is believed to be accurate but is provided without warranty. Users are responsible for ensuring safe handling and compliance with applicable laws and regulations.
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- **⚠ Disclaimer:** This SDS is provided for **research-grade Trimethoprim** supplied by Ausamics. It is not intended for clinical or veterinary use.