

## Material Safety Data Sheet

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Version 1.7  
According to 91/155/EEC

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1 - Product and Company Information

Product Name TRIMETHOPRIM CRYSTALLINE  
Product Number T7883  
  
Company Sigma-Aldrich Pty, Ltd  
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Australia  
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## 2 - Composition/Information on Ingredients

Product Name	CAS #	EC no	Annex I Index Number
TRIMETHOPRIM	738-70-5	212-006-2	None
Formula	C14H18N4O3		
Molecular Weight	290 AMU		
Synonyms	BW 56-72 * 2,4-Diamino-5-(3,4,5-trimethoxybenzyl)pyrimidine * Monoprim * NIH 204 * NSC-106568 * Proloprim * 2,4-Pyrimidinediamine, 5-((3,4,5-trimethoxyphenyl)-methyl)- * Syraprim * Tiempe * Trimanyl * Trimethoprim * Trimetoprim (Polish) * 5-(3,4,5-Trimethoxybenzyl)-2,4-diaminopyrimidine * Trimopan * Trimpex * Wellcoprim * WR 5949		

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## 3 - Hazards Identification

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4 - First Aid Measures

## AFTER INHALATION

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

## AFTER SKIN CONTACT

In case of contact, immediately wash skin with soap and copious amounts of water.

## AFTER EYE CONTACT

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

## AFTER INGESTION

If swallowed, wash out mouth with water provided person is

conscious. Call a physician.

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## 5 - Fire Fighting Measures

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### EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

### SPECIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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## 6 - Accidental Release Measures

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### PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

### METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

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## 7 - Handling and Storage

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### HANDLING

Directions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### STORAGE

Conditions of Storage: Keep tightly closed.  
Store at 2-8°C

### SPECIAL REQUIREMENTS: Light and moisture sensitive.

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## 8 - Exposure Controls / Personal Protection

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### ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

### GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Wear dust mask.

Hand Protection: Protective gloves.

Eye Protection: Chemical safety goggles.

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## 9 - Physical and Chemical Properties

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Appearance	Physical State: Solid	
Property	Value	At Temperature or Pressure
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	199 °C	
Flash Point	N/A	

Flammability	N/A
Autoignition Temp	N/A
Oxidizing Properties	N/A
Explosive Properties	N/A
Explosion Limits	N/A
Vapor Pressure	N/A
SG/Density	N/A
Partition Coefficient	N/A
Viscosity	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
Evaporation Rate	N/A
Bulk Density	N/A
Decomposition Temp.	N/A
Solvent Content	N/A
Water Content	N/A
Surface Tension	N/A
Conductivity	N/A
Miscellaneous Data	N/A
Solubility	Solvent: 50 mg/ml CHCl <sub>3</sub> /EtOH 1:1 clear, colorless

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## 10 - Stability and Reactivity

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### STABILITY

Stable: Stable.  
 Conditions of Instability: Light.  
 Conditions to Avoid: Moisture.  
 Materials to Avoid: Strong oxidizing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

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

### HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

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## 11 - Toxicological Information

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### RTECS NUMBER: UV8225000

#### ACUTE TOXICITY

LD50  
 Oral  
 Rat  
 200 mg/kg

LD50  
 Oral  
 Rat  
 > 5300 mg/kg

LD50  
 Intraperitoneal  
 Rat  
 500 MG/KG

LD50  
 Subcutaneous  
 Rat  
 >5 GM/KG

LD50  
Oral  
Mouse  
2764 mg/kg

LD50  
Intraperitoneal  
Mouse  
400 MG/KG

LD50  
Subcutaneous  
Mouse  
>5 GM/KG

LD50  
Intravenous  
Mouse  
132 MG/KG

#### SIGNS AND SYMPTOMS OF EXPOSURE

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

#### ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.  
Skin Absorption: May be harmful if absorbed through the skin.  
Eye Contact: May cause eye irritation.  
Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.  
Ingestion: May be harmful if swallowed.

#### CHRONIC EXPOSURE - MUTAGEN

Human  
5 MG/L  
Cell Type: lymphocyte  
Micronucleus test

Human  
10 UMOL/L  
Cell Type: lymphocyte  
DNA inhibition

Human  
50 UMOL/L  
Cell Type: lymphocyte  
Other mutation test systems

Human  
5 MG/L  
Cell Type: lymphocyte  
Sister chromatid exchange

Rat  
800 MG/KG  
Unreported  
8D  
sperm

#### CHRONIC EXPOSURE - REPRODUCTIVE HAZARD

Species: Rat  
Dose: 2250 MG/KG  
Route of Application: Oral  
Exposure Time: (11-13D PREG)  
Result: Effects on Fertility: Post-implantation mortality (e.g., dead and/or resorbed implants per total number of implants).  
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

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## 12 - Ecological Information

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No data available.

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## 13 - Disposal Considerations

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### SUBSTANCE DISPOSAL

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. Observe all federal, state, and local environmental regulations.

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## 14 - Transport Information

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### RID/ADR

Non-hazardous for road transport.

### IMDG

Non-hazardous for sea transport.

### IATA

Non-hazardous for air transport.

## 15 - Regulatory Information

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## 16 - Other Information

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### WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2005 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

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