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## MATERIAL SAFETY DATA SHEET

### Trimethoprim

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Trimethoprim Date: 25<sup>th</sup> July 2019 Version: Discofinechem5  
Company: Discovery Fine Chemicals Ltd  
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#### 2. HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

**Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.**

**This substance is not classified as dangerous according to Directive 67/548/EEC.**

##### 2.2 Label elements

**Hazard Statements-** None

##### **Precautionary Statements**

P261 Avoid breathing dust

P281 Use personal protective equipment as required.

**R Phrases:** None

##### **S Phrases:**

S.22 Do not breathe dust

S.24/25 Avoid contact with skin and eyes

The product does not need to be labelled in accordance with EC directives or respective national laws.

##### 2.3 Other hazards - none

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.1 Substances

Synonyms: 2,4-Diamino-5-(3,4,5-trimethoxybenzyl)pyrimidine

Formula: C<sub>14</sub>H<sub>18</sub>N<sub>4</sub>O<sub>3</sub>, Molecular Weight: 290.32 g/mol

Cas No: 738-70-5 E.C.No:212-006-2

#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

If inhaled - If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact - Wash off with soap and plenty of water.

In case of eye contact - Flush eyes with water as a precaution.

If swallowed - Never give anything by mouth to an unconscious person. Rinse mouth with water.

**4.2 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.

**4.3 Indication of any immediate medical attention and special treatment needed** - no data available

#### 5. FIREFIGHTING MEASURES

##### 5.1 Extinguishing media

**Suitable extinguishing media** - Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance or mixture** - Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

**5.3 Advice for firefighters** - Wear self contained breathing apparatus for firefighting if necessary.

**5.4 Further information** - no data available

#### 6. ACCIDENTAL RELEASE MEASURES

##### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

**6.2 Environmental precautions** - Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections - For disposal see section 13.

## 7. HANDLING AND STORAGE

7.1 Precautions for safe handling - Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C. Keep in a dry place

7.3 Specific end uses - no data available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

Appropriate engineering controls - General industrial hygiene practice.

#### Personal protective equipment

**Eye/face protection** - 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. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill®

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill®

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail

sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Body Protection** - Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection** - Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure** - No special environmental precautions required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- a) Appearance Form: powder
- b) Odour - no data available
- c) Odour - Threshold no data available
- d) pH - no data available
- e) Melting point/freezing point - Melting point/range: 234 - 236 °C
- f) Initial boiling point and boiling range - no data available
- g) Flash point - no data available
- h) Evaporation rate - no data available
- i) Flammability (solid, gas) - no data available
- j) Upper/lower flammability or explosive limits - no data available
- k) Vapour pressure - no data available
- l) Vapour density - no data available
- m) Relative density - no data available
- n) Water solubility - no data available
- o) Partition coefficient: noctanol/water - no data available
- p) Auto-ignition temperature - no data available
- q) Decomposition temperature - no data available
- r) Viscosity - no data available

- s) Explosive properties - no data available  
t) Oxidizing properties - no data available  
9.2 Other safety information - no data available

## 10. STABILITY AND REACTIVITY

- 10.1 Reactivity - no data available  
10.2 Chemical stability - no data available  
10.3 Possibility of hazardous reactions - no data available  
10.4 Conditions to avoid - Avoid moisture.  
10.5 Incompatible materials - Strong oxidizing agents  
10.6 Hazardous decomposition products - Other decomposition products - no data available

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity** - LD50 Oral - rat - > 5,300 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**

Genotoxicity in vitro - Human - lymphocyte

Micronucleus test

Genotoxicity in vitro - Human - lymphocyte

Other mutation test systems

Genotoxicity in vitro - Human - lymphocyte

DNA inhibition

Genotoxicity in vitro - Human - lymphocyte

Sister chromatid exchange

Genotoxicity in vivo - rat – Unreported sperm

**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** - rat - Oral

**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).

**Specific target organ toxicity - single exposure** - no data available

**Specific target organ toxicity - repeated exposure** - no data available

**Aspiration hazard** - no data available

### **Potential health effects**

**Inhalation** - May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** - May be harmful if swallowed.

**Skin** - May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** - May cause eye irritation.

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

**Additional Information** - RTECS: UV8225000

## 12. ECOLOGICAL INFORMATION

12.1 Toxicity - no data available

12.2 Persistence and degradability - no data available

12.3 Bio-accumulative potential - no data available

12.4 Mobility in soil - no data available

12.5 Results of PBT and vPvB assessment - This substance/mixture contains no components considered to be either persistent, bio-accumulative and toxic (PBT), or very persistent and very bio-accumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects - no data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Product** - Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging** - Dispose of as unused product.

## 14. TRANSPORT INFORMATION

14.1 UN number - ADR/RID: - IMDG: - IATA: -

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es) - ADR/RID: - IMDG: - IATA: -

14.4 Packaging group - ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards - ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user - no data available

## **15. REGULATORY INFORMATION**

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

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

no data available

### **15.2 Chemical Safety Assessment - no data available**

## **16. OTHER INFORMATION**

### **Further information**

#### **Text of H-code(s) and R-phrases mentioned in Section 2**

Does not apply

### **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.

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