

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 7; Print Date 14.06.2021

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifiers

Product name: **Fenbendazole**

Synonyms: Methyl 5-(phenylthio)-2-benzimidazolecarbamate

CAS-No.: 43210-67-9, EC-No.: 256-145-7, HS Code: 293300

REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

### 1.2 Intended use substance or mixture

Laboratory chemicals, Chemical synthesis

### 1.3 Details of the supplier of the safety data sheet

Company:

UAB CURALTUS

Piliakalnio st.7, LT-06229 Vilnius, Lithuania

info@curaltus.com

1.4. For information in Europe, call: + 32 14 57 52 11

Emergency Number, Europe: + 32 14 57 52 99

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## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Substance name: FENBENDAZOLE

Synonyms: Methyl 5-(phenylthio)-2-benzimidazolecarbamate

Formula: C<sub>15</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>S

Molecular Weight : 299,35 g/mol

Content: 99,9%

CAS-No. : 43210-67-9

EC-No. : 256-145-7

HS Code: 293300

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## SECTION 3 - HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

### 2.2 Label elements

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

### 2.3 Other hazards – none

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## SECTION 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**

The most important known symptoms and effects are described in the labelling (see section 2.2 and/or in section 11)

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## **SECTION 5 - FIRE FIGHTING MEASURES**

### **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>), Sulphur oxides

#### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

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## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

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

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

#### **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. 2.

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## **SECTION 7 - HANDLING AND STORAGE**

Provide appropriate exhaust ventilation at places where dust is formed.

Normal measures for preventive fire protection.

For precautions see section 2.2.

### **7.2 Conditions for safe storage, including any incompatibilities**

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

#### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## **SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

## **Engineering Controls:**

Facilities storing and utilizing this material should be equipped with an eye wash and a safety shower facility.

## **Personal Protective Equipment**

Eyes: Wear chemical safety goggles approved NIOSH (US) or EN 166(EU).

Skin: Wear appropriate protective gloves.

Clothing: Wear appropriate protective clothing.

Respirators: Wear respirators approved NIOSH (US) or CEN (EU) .

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## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Powder

Color: almost white

Odor: Not data available

Vapor Pressure: Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: Not available

Freezing/Melting Point: 233 deg C (dec.)

Decomposition Temperature: Not available

Solubility in water: Poorly soluble in water

Specific Gravity/Density:

Molecular Formula:  $C_{15}H_{13}N_3O_2S$

Molecular Weight: 299,35 g/mol

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## **SECTION 10: STABILITY AND REACTIVITY**

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides

Other decomposition products - No data available

In the event of fire: see section 5

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## **SECTION 11 - TOXICOLOGICAL INFORMATION**

Unless otherwise specified data extracted from RTECS – Register of Toxic Effects of Chemical Substances.

### **Toxicity**

Oral (rat) LD50: > 10 g/kg

Oral (mouse) LD50: > 10 g/kg

Oral (dog) LD50: > 500mg/kg

### **Specific target organ toxicity - repeated exposure**

May cause damage to organs through prolonged or repeated exposure. - Liver, lymph node, Stomach, Nervous system

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## **SECTION 12 - ECOLOGICAL INFORMATION**

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - > 7,5 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) - 0,008 mg/l - 48 h (OECD Test Guideline 202)

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## **SECTION 13 - DISPOSAL CONSIDERATIONS**

### **Product**

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

### **Contaminated packaging**

Dispose of as unused product.

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## **SECTION 14 - TRANSPORT INFORMATION**

Not regulated for transport.

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## **SECTION 15 - REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. International Chemical Weapons Convention: Neither banned nor restricted (CWC) Schedules of Toxic Chemicals and Precursors

Restrictions on the marketing and use of certain: Neither banned nor restricted dangerous substances and preparations

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

Candidate List of Substances of Very High Concern for Authorisation: Neither banned nor restricted

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## **SECTION 16 - OTHER INFORMATION**