

Page 1 of 5 Print Date 29.11.2018	Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Metronidazol, mikronisiert, API	 Revision Date 29.11.2018
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1 Identification of the substance/mixture and of the company/undertaking

· **Informations to product No. 4419**

· **Product name:**

Metronidazol, mikronisiert, API **Metronidazolum**

· **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH

Herderstr. 31

40721 Hilden

Tel.: 02103/4994-0

Fax: 02103/32360

e-mail: info@caelo.de

· **Emergency telephone:**

Giftinformationszentrum Mainz

Langenbeckstr. 1, 55131 Mainz

Tel.: 06131/19240

· **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

· **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

2 Hazards identification

· **GHS-Labeling Elements:**



· **Signal word:** Danger

· **H-Phrases:**

H341 Suspected of causing genetic defects

H351 Suspected of causing cancer

H373 May cause damage to organs through prolonged or repeated exposure

· **P-Phrases:**

P202 Do not handle until all safety precautions have been read and understood

P281 Use personal protective equipment as required

Muta. 2

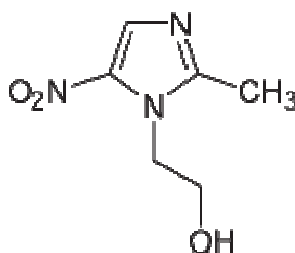
Carc. 1B

STOT RE 2

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3 Composition / information on ingredients

- **Description:** 2-Methyl-15-nitroimidazol-1-Ethanol
- **CAS-No.:** 443-48-1
- **EINECS-No.:** 207-136-1
- **REACH Reg. No.:** 01-2120759512-53-0000
- **INCI-Name:** -
- **Chemical characterization:**



4 First aid measures

- **after inhalation:** Fresh air. If feeling unwell seek medical advice.
- **after skin contact:** Wash away with plenty of water.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Drink water. Induce vomiting. Seek medical advice.

5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Combustible but not flammable. In case of fire dangerous gases / vapours can be released: Smoke gases.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

6 Accidental release measures

- **Personal protective measures:** Avoid dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage

- **Handling:** No special requirements.
- **Informations to fire or explosion protection:** Avoid dust formation.
- **Storage:**

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• **Requirements for storage areas and containers:**

Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).

• **Additional informations to storage conditions:** Protect from light and air.

8 Exposure controls / personal protective equipment

Components with limit values that require monitoring at the workplace:

The product does not contain relevant quantities of substances with limit values that require monitoring at the workplace.

• **Personal protective equipment:**

• **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.

• **Respiratory protection:** Dust protection mask.

• **Hand protection:** Protection gloves of rubber or latex

• **Eye protection:** Safety glasses

9 Physical and chemical properties

• **Form:** solid

• **Colour:** crème colour

• **Odour:** nearly odourless

• **Melting point / melting range:** 159 - 161 °C

• **Boiling point / boiling range:** not determined

• **Flash point:** not determined

• **Explosion hazard:** Dust explosion possible

• **Density:** Bulk density: 600-800 Kg/cbm

• **Solubility in / Miscibility with**

• **Water:** Not readily soluble

• **pH-range:** (20 °C) 6,5 - 7,5

10 Stability and reactivity

• **Thermal decomposition / conditions to avoid:**

No decomposition during appropriate use.

• **Materials to avoid:** Strong acids and bases.

• **Hazardous reactions:** No hazardous reactions known.

• **Hazardous decomposition products:** Nitrogen oxides

11 Toxicological information

• **Acute toxicity:**

LD50(oral,Rat): 3000 mg/kg

TDL0(oral,Man): 1030 mg/kg

• **Additional toxicological informations:**

Carcinogenity:

Metronidazole -

ACGIH: A4 - Not Classifiable as a Human Carcinogen

California: carcinogen; initial date 1/1/88

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NIOSH: occupational carcinogen

NTP: Suspect carcinogen

OSHA: Possible Select carcinogen

IARC: Group 2B carcinogen

Others: See actual entry in RTECS for complete information. The toxicological properties are not yet completely researched. Mutagenity: Ames-Test positive.

12 Ecological information

- **Ecotoxic effects:**

Quantitative ecotoxicological data for this product are not available.

- **Water hazard class:** 2 (self classification): hazardous for water.

13 Disposal considerations

- **Product:**

- **Recommendation:** Disposal according to local regulations as pharmaceutical waste..

- **Empty contaminated packaging:**

- **Recommendation:** Disposal according to the local regulations.

14 Transport informations

- **Land transport according to ADR:**

Not classified as dangerous in the meaning of transport regulations.

15 Regulatory information

- **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product is classified and labelled according to GHS-regulations.

- **Hazard symbol:** GHS08

- **Signal word:** Danger

- **H-Phrases:**

H341 Suspected of causing genetic defects

H351 Suspected of causing cancer

H373 May cause damage to organs through prolonged or repeated exposure

- **P-Phrases:**

P202 Do not handle until all safety precautions have been read and understood

P281 Use personal protective equipment as required

- **National regulations (Germany):**

- **Water hazard class:** see chapter 12

- **Storage class TRGS 510:** 6.1C

16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

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· **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.