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1 Identification of the substance/mixture and of the company/undertaking

· Informations to product No. 2486

· Product name:

Metamizol-Natrium-Monohydrat, API
Novaminsulfon, Metamizolum natriicum monohydricum
Metamizol-Sodium

· 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 Labelling Elements:



· Signal word: Warning

· H-phrases:

H361 Suspected of damaging fertility or the unborn child

· P-phrases:

P281 Use personal protective equipment as required

Repr. 2

3 Composition / information on ingredients


CAS-No. Substance name

5907-38-0 Metamizol-sodium monohydrate

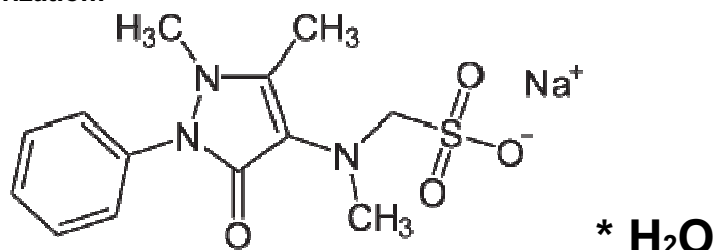
· EINECS-No.: 611-790-7

· REACH Reg. No.: (pre-registered)

· INCI-Name: -

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• **Chemical characterization:**



4 First aid measures

- **After inhalation:** Fresh air.
- **After skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.
- **After eye contact:** Rinse out with plenty of water with the eyelid wide open. Call in ophthalmologist.
- **After swallowing:** Drink water. Induce vomiting. Seek medical advice immediately.
- **Additional information:** The following symptoms might occur: Drop in blood pressure, vomiting.
After intense skin contact: Anaesthetic effect possible. Symptomatic treatment.

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 vapours/gases can be generated: Smoke gases.
- **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:** If dust is generated provide exhaustion.
- **Informations to fire or explosion protection:** Take measures to prevent electrostatic charging.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).

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8 Exposure controls / personal protective equipment

- **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 latex or rubber.
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** solid
 - **Colour:** white
 - **Odour:** odourless
 - **Melting point / melting range:** 180 °C
 - **Flash point:** not determined
 - **Ignition temperature:** 200 °C
 - **Explosion hazard:** Dust explosion possible (ST 1)
 - **Density:** not determined
- Bulk density: 600 - 700 kg/m³.
- **Solubility in / Miscibility with**
 - **Water:** (20 °C) 500 g/l
 - **pH-range:** (200 g/l, 20 °C) 6,5 - 8

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Decomposition above 190°C
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** Nitrogen oxides

11 Toxicological information

- **Acute toxicity:**

LD50 (oral,Rat): 4351 mg/kg

LD50 (oral,Mouse): 4161 mg/kg

- **Additional toxicological informations:** Suspected of damaging fertility or the unborn child

12 Ecological information

- **Information about elimination (persistence and degradability):**

Biodegradation: 18-23% 28 days, method: Theoretical oxygen consumption, OECD 301 F

- **Aquatic toxicity:**

LC50 (Danio rerio): > 100 mg/l/96h (OECD 203)


EC50 (Daphnia magna): > 47 mg/l/48h (OECD 202)

EC50 (Desmodesmus subspicatus) 56,11,mg/l/72h (OECD 201)

EC50 (Pseudomonas putida): >> 1000 mg/l (DIN 38412 T.8)

- **Behaviour in sewage plants:**

CSB: 1360 mg/g

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BSB5: 30 mg/g

- **General advices:** Do not release into the environment.
- **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.
- **Signal word:** Warning
- **H-phrases:**
H361 Suspected of damaging fertility or the unborn child
- **P-phrases:**
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.

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