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

· **Informations to product No. 4423**

· **Product name:**

Methylviolett, technisch
Gentianaviolett B

· **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:**

H302 Harmful if swallowed

H318 Causes serious eye damage

H350 May cause cancer

H410 Very toxic to aquatic life with long lasting effects

· **P-Phrases:**

P280 Wear protective gloves/protective clothing/eye protection/face protection

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

P273 Avoid release to the environment


Acute Tox. 4

Eye Dam. 1

Carc. 1B

Aquatic Acute 1

Aquatic Chronic 1

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3 Composition / information on ingredients

• **Chemical characterization:**

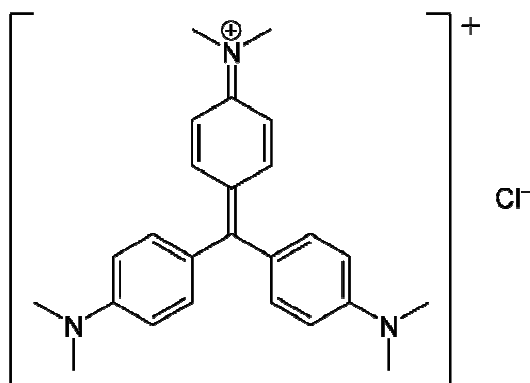
CAS-No. Substance name

548-62-9 Hexamethylenpararosanilinium chloride

• **EINECS-No.:** 208-953-6

• **REACH Reg. No.:** 01-2119539680-37-0000

• **INCI-Name:** -



4 First aid measures


- **after inhalation:** Bring the person out of the contaminated area to fresh air, Seek medical help immediately. Show product-label or this MSDS.
- **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 , seek medical advice, even if no immediate symptoms are observed.
- **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.

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• **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage

- **Storage:**
- **Requirements for storage areas and containers:**
Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **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:** green
- **Odour:** odourless
- **Melting point / melting range:** 189 – 194 °C
- **Flash point:** not determined
- **Density:**
- **Bulk density:** 220 - 400 kg/m³
- **Solubility in / Miscibility with**
- **Water:** (25 °C) ca. 30 g/l

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Materials to avoid:** Strong oxidants.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** Chlorine compounds, Nitrogen oxides.

11 Toxicological information

- **Acute toxicity:**
LD/LD50-data relevant for hazard classification:
603-47-4 Methylviolett
Oral: LD50: 460-680 mg/kg (rat)
Gentianaviolett oral 420 mg/kg rat
- **Primary irritant effect:**
- **on eyes:** Strong irritations with danger of serious eye damages.
- **on respiratory organs:** Irritant.
- **after swallowing:** Vomiting, Diarrhea, Headache, Vertigo, damage of mucous membranes and gastrointestinal tract.

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• **Other information (experimental toxicology):** In rats and mice in long-term feeding experiments an increased occurrence of tumors in different target organs was observed. The results of the existing long-term studies are leading to the assumption, that an exposure to the product causes irreversible damages. The positive in vitro-genotoxicity results are supporting this assumption.

12 Ecological information

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

Elimination: < 10 %: BSB5: 0,12 %; CSB: 163 %.

• **Aquatic toxicity:**

Bacteria EC50: 10-100 mg/l; *S. gairdnerii* LC50: 0,7 mg/l/96h.

• **General advices:** Prevent from leaking into ground water, environment waters or drainage.

• **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:**

• **Proper shipping name:** Environmentally hazardous substance, solid, n.o.s., Methylviolett

• **Class:** 9

• **UN-number:** 3077

• **Packing group:** III

• **Classification code:** M7

• **Limited quantities (Table 3.4.6. ADR):** 5 kg

• **Hazard classification number:** 90

• **Special provisions (Chapter 3.3 ADR):** 274

• **Additional informations for sea transport IMDG:**

• **EMS-No.:** F-A, S-F

• **Properties:** m.p.

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 symbols:** GHS08, GHS05, GHS09, GHS07


• **Signal word:** Danger

• **H-Phrases:**

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H410 Very toxic to aquatic life with long lasting effects

• **P-Phrases:**

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

P273 Avoid release to the environment

• **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.