


<p>Page 1 of 4</p> <p>Print Date 26.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Patentblau V</p>	 <p>Revision Date 26.11.2018</p>
---	---	---

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

- **Informations to product No. 4495**
- **Product name:**

Patentblau V
Patentblau V, E 131
Patent Blue V

- **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:**

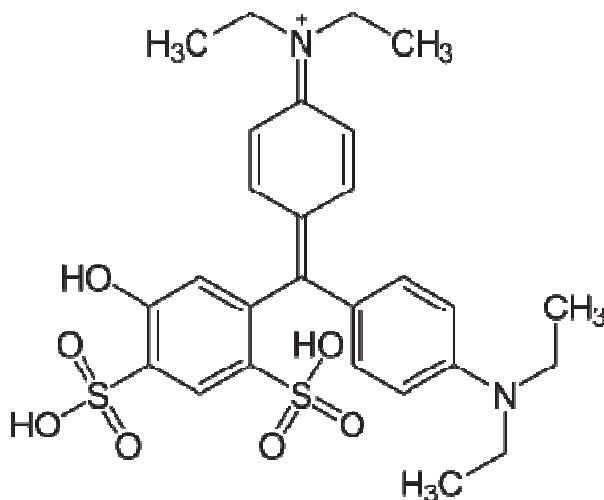
Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.


2 Hazards identification

- **Hazard classification:** The substance is not classified as dangerous according to European Union legislation.

3 Composition / information on ingredients

- **Chemical characterization:**



<p>Page 2 of 4</p> <p>Print Date 26.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Patentblau V</p>	 <p>Revision Date 26.11.2018</p>
---	---	---

CAS-No. Substance name:

20262-76-4 Patentblau V

C.I.-No.: 42051

C.I.-Name: Acid Blue 3, Food Blue 5

• **EINECS-No.:** 243-654-4

• **REACH Reg. No.:** 01-2120752830-56-0000

• **INCI-Name:** Acid blue 3

4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air, if feeling unwell continuously, seek medical advice.
- **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. If irritation continues call ophthalmologist.
- **after swallowing:** Drink water. Avoid vomiting. If feeling unwell continuously 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. In case of fire dangerous vapours/gases can be generated: 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 contact with substance. Wear suitable protective equipment according to Chapter 8 of this MSDS. Assure appropriate ventilation.
- **Methods for cleaning:** Take up dry. Avoid generation of dusts. Disposal according to Chapter 13 of this MSDS. Clean up with water.
- **Additional information:** Do not empty into drains, prevent from contaminating surface water or the ground water system.

7 Handling and storage

- **Handling:**
- **Informations to fire or explosion protection:** Take measures to prevent electrostatic charging. If big quantities are handled: Dust explosion hazard.
- **Storage:**
- **Requirements for storage areas and containers:**
Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).
- **Advices on common storage:** Not required.

Page 3 of 4 Print Date 26.11.2018	Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Patentblau V	 Revision Date 26.11.2018
--	--	---

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:** dark blue
- **Odour:** odourless
- **Melting point / melting range:** ca. 200 °C
- **Boiling point / boiling range:** not determined
- **Explosion hazard:** Dust explosion hazard.
- **Density:** ca. 300 kg/m³ (Bulk density)
- **Solubility in / Miscibility with**
- **Water:** 10 g/l (20 °C)
- **pH-range:** (10 g/l) at 20 °C 6

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** > 230°C Decomposition
- **Hazardous reactions:** Dust explosion hazard.
- **Hazardous decomposition products:** At high temperatures irritant or harmful vapours are released.

11 Toxicological information

- **Acute toxicity:** LD50 (oral,Rat): > 3000 mg/kg
- **Primary irritating effect:**
- **on skin:** Not irritant.
- **on eyes:** Not irritant.


12 Ecological information

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

Evaluation: Not readily biodegradable (according to OECD-criteria).

- **Ecotoxicological effects:**

- **Additional information:** Bioaccumulation is not likely.
- **Water hazard class:** WGK 2 (VwVwS, Annex 4) hazardous for water.
- **log p(O/W):** (25 °C) -1,82

<p>Page 4 of 4</p> <p>Print Date 26.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Patentblau V</p>	 <p>Revision Date 26.11.2018</p>
---	---	---

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 does not need to be labelled according to GHS-regulations.
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12

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.