

Trade name: Germaben II

Substance number: 270670

Version: 5 / CH

Date revised: 26.08.2019

Replaces Version: 4 / CH

Print date: 26.08.19

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

1.1. Product identifier

Germaben II

Item No. 27067000

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Preservative, Stabilizer for cosmetic formulations

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible

for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2 H319

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements ***

H319 Causes serious eye irritation.

Precautionary statements

P264.1 Wash hands thoroughly after handling.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

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SECTION 3: Composition/information on ingredients

Hazardous ingredients

1-[1,3-bis(hydroxymethyl)-2,5-dioxoimidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea

CAS No. 78491-02-8

EINECS no. 278-928-2

Concentration >= 25 < 50 %

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2 H319

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from danger area. In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water and rinse well. Remove contaminated, soaked clothing immediately and dispose of safely. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

After ingestion

Do not induce vomiting. Drink water in small gulps. Take medical treatment. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Nausea, Vomiting, Diarrhoea, Irritation of respiratory organs

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit surroundings, Water spray jet, Foam, Carbon dioxide, Dry chemical extinguisher

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment

6.2. Environmental precautions

Do not allow to enter drains or waterways. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Send in suitable containers for recovery or disposal.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes. Avoid inhaling dusts/ billows/ steams. Smoking, eating and drinking should be prohibited in application area.

7.2. Conditions for safe storage, including any incompatibilities**Recommended storage temperature**

Value	10	25	°C
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Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place.

Storage classes

Storage class according to TRGS 510	10	Flammable liquids
Storage category (Switzerland)	10/12	Other liquid hazardous substances

Further information on storage conditions

Protect from frost. Protect from sun.

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****General protective and hygiene measures**

Wash hands before breaks and after work. Provide adequate ventilation.

Respiratory protection

Provide good ventilation of working area (local exhaust ventilation if necessary).

Hand protection

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material	Butyl rubber - Butyl
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Eye protection

Tightly fitting safety glasses

Body protection

Impermeable protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	liquid
Colour	clear

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Odour	characteristic		
Odour	mild		
pH value			
Remarks	not determined		
Melting point			
Remarks	not determined		
Initial boiling point and boiling range			
Value	187.2		°C
Flash point			
Value	104.4		°C
Vapour pressure			
Value	0.2926		hPa
Temperature	20		°C
Density			
Value	1.18		g/cm ³
Solubility in water			
Value	15		g/l
Temperature	25		°C

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Possible incompatibility with materials listed under section 10.5.

10.4. Conditions to avoid

Heat. Protect from direct sunlight. Sensitive to moisture.

10.5. Incompatible materials

Isocyanates, Acids, Bases, Oxidising agents, Reactions with light.

10.6. Hazardous decomposition products

Ethanol, Aldehydes, Carbon monoxide and carbon dioxide, acids, Phenol, Toxic gases/vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity (Components)

1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea

Species	rat		
LD50	>	2000	mg/kg

Acute dermal toxicity (Components)

1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea

Species	rabbit		
LD50	>	2000	mg/kg

Skin corrosion/irritation

evaluation	slightly irritant
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Skin corrosion/irritation (Components)

1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea
evaluation non-irritant

Serious eye damage/irritation

evaluation slightly irritant

Serious eye damage/irritation (Components)

1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea
evaluation irritant

Sensitization

Route of exposure dermal
Species guinea pig
evaluation non-sensitizing

Sensitization (Components)

1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea
Species guinea pig
evaluation non-sensitizing

Mutagenicity

evaluation No mutagenicity in the Ames-test.

Other information

The product has not been tested. The information is derived from the properties of the individual components.

SECTION 12: Ecological information**12.1. Toxicity****Daphnia toxicity (Components)**

1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea
Species Daphnia magna
EC50 58 mg/l
Duration of exposure 48 h

Algae toxicity (Components)

1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea
Species Selenastrum capricornutum
ErC50 5.78 mg/l
Duration of exposure 72 h

12.2. Persistence and degradability**Biodegradability (Components)**

1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea
Value 24 %
Duration of test 28 d
evaluation not readily degradable

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow) (Components)**

1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea
log Pow 0.9
Temperature 20 °C

12.5. Results of PBT and vPvB assessment

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Evaluation of persistence and bioaccumulation potential (Components)**1-[1,3-bis(hydroxymethyl)-2,5-dioximidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea**

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not to be expected.

12.6. Other adverse effects**General information / ecology**

Do not allow it to reach ground water, water bodies or sewage system. Toxic for aquatic organisms.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	Non-dangerous goods	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information *****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany) *****

Water Hazard Class (Germany)	WGK 3
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Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV
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SECTION 16: Other information**Hazard statements listed in Chapter 3**

H319	Causes serious eye irritation.
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CLP categories listed in Chapter 3

Eye Irrit. 2	Eye irritation, Category 2
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Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
 This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.