



Trade name: Hydrolite-5 (1,2-Pentandiol)

Substance number: 271850

Version: 1 / CH

Date revised: 14.06.12

Replaces Version: - / CH

Date of printing: 14.06.12

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

1.1. Product identifier

Hydrolite-5 (1,2-Pentandiol)

Item-No. 27185000

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

Use of the substance/preparation

Component of cosmetic products

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 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

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 H315

Skin Irrit. 2 H319

Classification in accordance with EC directives

Classification Xi, R36/38

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash ... 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.



Trade name: Hydrolite-5 (1,2-Pentandiol)

Substance number: 271850

Version: 1 / CH

Date revised: 14.06.12

Replaces Version: - / CH

Date of printing: 14.06.12

P332+P313

If skin irritation occurs: Get medical advice/attention.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

Irritant

R phrases

36/38

Irritating to eyes and skin.

S phrases

26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37

Wear suitable gloves.

60

This material and its container must be disposed of as hazardous waste.

3. Composition/information on ingredients**Hazardous ingredients****pentane-1,2-diol**

CAS No.

5343-92-0

EINECS no.

226-285-3

Concentration

>= 50 %

Classification

Xi, R36/38

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

H315

H319

4. First aid measures**4.1. Description of first aid measures****General information**

Remove affected person from danger area. Never give anything by mouth to an unconscious person.

After inhalation

Ensure supply of fresh air.

After skin contact

Consult a doctor if skin irritation persists. Wash skin thoroughly with water (15 min.). Remove contaminated, soaked clothing immediately and dispose of safely.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

Rinse out mouth and give plenty of water to drink. Turn a vomiting person lying on his back onto his side. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.

5. Firefighting measures



Trade name: Hydrolite-5 (1,2-Pentandiol)

Substance number: 271850

Version: 1 / CH

Date revised: 14.06.12

Replaces Version: - / CH

Date of printing: 14.06.12

5.1. Extinguishing media

Suitable extinguishing media

Water mist, Alcohol-resistant foam, Dry chemical extinguisher, Carbon dioxide

Non Suitable extinguishing media

Full water jet

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Cool endangered containers with water spray jet. Do not inhale explosions- and combustion gases.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Suppress gases/vapours/mists with water spray jet.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust).

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear protective equipment. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in application area.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in a dry place. Keep only in original container.

Further information on storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from heat and direct sunlight.

8. Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Avoid contact with eyes and skin. Remove contaminated, soaked clothing immediately and dispose of safely.

Respiratory protection

Not necessary.

Hand protection

Chemical resistant gloves

Appropriate Material

Appropriate Material

Polychloroprene

Butyl rubber - Butyl



Trade name: Hydrolite-5 (1,2-Pentandiol)

Substance number: 271850

Version: 1 / CH

Date revised: 14.06.12

Replaces Version: - / CH

Date of printing: 14.06.12

Eye protection

Safety glasses

Body protection

Light protective clothing

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

Form	viscous liquid			
Colour	colourless			
Flash point				
Value	100			°C
Vapour pressure				
Value	< 1			kPa
Temperature	50	°C		
Density				
Value	0.966	to	0.976	g/ml
Temperature	20	°C		
Solubility in water				
Remarks	soluble			

10. Stability and reactivity**10.4. Conditions to avoid**

Protect from atmospheric moisture and water.

10.5. Incompatible materials

No decomposition if stored and applied as directed.

11. Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Species	rat		
LD50	> 5000	mg/kg	

Acute dermal toxicity

Species	rat		
LD50	> 2000	mg/kg	

Acute inhalational toxicity

Species	rat		
LC50	7	mg/l	
Duration of exposure	4	h	

Skin corrosion/irritation

Species	rabbit
valuation	irritant

Serious eye damage/irritation

Species	rabbit
Remarks	Irritates the eyes.

Sensitization

Species	guinea pig
---------	------------



Trade name: Hydrolite-5 (1,2-Pentandiol)

Substance number: 271850

Version: 1 / CH

Date revised: 14.06.12

Replaces Version: - / CH

Date of printing: 14.06.12

valuation	non-sensitizing
Species	Human
valuation	non-sensitizing

Mutagenicity

Remarks No data available.

Reproduction toxicity

Remarks No data available.

Carcinogenicity

Remarks No data available.

12. Ecological information**12.1. Toxicity****Fish toxicity**

Species	rainbow trout (Oncorhynchus mykiss)
LC50	> 1000 mg/l

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.

14. Transport information**Land transport ADR/RID**

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

15. Regulatory information**16. Other information****R-phrases listed in chapter 3**

36/38 Irritating to eyes and skin.

Hazard statements listed in chapter 3

H315 Causes skin irritation.

H319 Causes serious eye irritation.

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.