



Trade name: Silbernitrat-Lösung 10%

Date revised: 08.04.09

Dangerous substance number: 186500

Version: 1 / CH

Date of printing: 08.04.09

01. Identification of the substance/preparation and of the company/undertaking

Trade name

Silbernitrat-Lösung 10%

Item-No. 18650000

Company/undertaking identification

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

Emergency 0041 (0)44 251 51 51

telephone

02. Hazards identification

Hazard symbols

C	Corrosive
N	Dangerous for the environment

R phrases

34	Causes burns.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

03. Composition / information on ingredients

Hazardous ingredients

Silver nitrate

CAS no. 7761-88-8

EINECS no. 231-853-9

Concentration 9.5 - 10.5 %

Classification N, R50/53
C, R34

04. First aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

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

After skin contact

In case of contact with skin wash off immediately with plenty of water.

After eye contact

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

After ingestion

Drink water in small gulps.. Do not induce vomiting.. Summon a doctor immediately.

05. Fire-fighting measures

Suitable extinguishing media

Water mist, Foam, Carbon dioxide, Dry powder

Special exposure hazards arising from the substance or preparation itself, its combustion

Trade name: Silbernitrat-Lösung 10%

Date revised: 08.04.09

Dangerous substance number: 186500

Version: 1 / CH

Date of printing: 08.04.09

products or from resulting gases

The product is not combustible.; In the event of fire the following can be released:; Nitrous gases (NOx)

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Do not discharge into surface waters/groundwater.. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

06. Accidental release measures**Personal precautions**

Don't touch. Do not inhale vapours.. Ensure supply of fresh air.. Use personal protective clothing.

Environmental precautions

Do not allow to enter drains or waterways.

Methods for cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder).. Take up mechanically and collect in suitable container for disposal.

07. Handling and storage**Handling****Advice on protection against fire and explosion**

No special measures necessary.

Storage**Further information on storage conditions**

Keep container tightly closed.. Protect from light.

08. Expose controls/personal protection**General protective and hygiene measures**

Avoid contact with eyes and skin. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Occupational exposure controls**Hand protection**

Appropriate Material	nitrile		
Material thickness		0.35	mm
Penetrating time		480	min
Appropriate Material	butyl		
Material thickness		0.5	mm
Penetrating time		480	min

Eye protection

Tightly fitting safety glasses

Skin protection

Protective clothing

09. Physical and chemical properties**General information**

Form	liquid
Colour	colourless, clear
Odour	odourless



Trade name: Silbernitrat-Lösung 10%

Date revised: 08.04.09

Dangerous substance number: 186500

Version: 1 / CH

Date of printing: 08.04.09

Important health, safety and environmental information**Flash point**Value
Remarks not determined °C**Boiling point**

Remarks not determined

Ignition temperature

Remarks not applicable

Explosion limits

Remarks not applicable

DensityValue
temperature appr. 1.090 g/cm³
20 °C**Efflux time**

Remarks not determined

Solubility in water

Remarks miscible

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

Protect from light.

Materials to avoid

Ammonia, Reactions with alcohols., Reaction with ammonium compounds, Reactions with earth alkali metals.

Hazardous decomposition products

Nitrous gases

Thermal decomposition

Remarks No decomposition if used as prescribed.

11. Toxicological information**Irritant/corrosive effects****Irritant effect on skin**

Remarks Corrosive

Irritant effect on eyes

valuation corrosive

12. Ecological information**General information / ecology**

Toxic for aquatic organisms.

13. Disposal considerations**Disposal recommendations for the product**

EWC waste code No not dispose with rubbish.

Disposal in compliance with local and national regulations.

EWC waste code Should not be released into the sanitary sewer system.

Disposal recommendations for packaging

EWC waste code No not dispose with rubbish.

Trade name: Silbernitrat-Lösung 10%

Date revised: 08.04.09

Dangerous substance number: 186500

Version: 1 / CH

Date of printing: 08.04.09

Dispose of as unused product.

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

UN number	3264
Class	8
Packing group	II
Label	8
Technical name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

Marine transport IMDG/GGVSee

UN number	3264
Class	8
Packing group	II
Technical name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

Air transport ICAO/IATA

UN number	3264
Class	8
Packing group	II
Technical name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.

15. Regulatory information**Labelling in accordance with EC directives**

The product is classified and labelled in accordance with EC directives.

Hazard symbols

C	Corrosive
N	Dangerous for the environment

Hazardous component(s) to be indicated on label

contains Silver nitrate

R phrases

34	Causes burns.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

24/25	Avoid contact with skin and eyes.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
60	This material and its container must be disposed of as hazardous waste.
61	Avoid release to the environment. Refer to special instructions/Safety data sheets.

Water Hazard Class (Ger.)

Water Hazard Class WGK 3
 (Ger.)
 Classification according to Annex 4 VwVwS

16. Other information**R-phrases of the ingredients listed in chapter 3**

34	Causes burns.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Trade name: Silbernitrat-Lösung 10%

Date revised: 08.04.09

Dangerous substance number: 186500

Version: 1 / CH

Date of printing: 08.04.09

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.