



Trade name: Collodium 4% / Ohropax

Date revised: 28.10.09

Dangerous substance number: 211100

Version: 2 / CH

Date of printing: 28.10.09

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

Trade name

Collodium 4% / Ohropax

Item-No. 21110000

Company/undertaking identification

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

Emergency telephone 0041 (0)44 251 51 51

02. Hazards identification

Classification

Classification F+, R12
Xn, R22
R66
R67

Hazard symbols

F+ Extremely flammable
Xn Harmful

R phrases

12 Extremely flammable.
22 Harmful if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

03. Composition / information on ingredients

Hazardous ingredients

Diethyl ether

CAS no. 60-29-7

EINECS no. 200-467-2

Concentration \geq 50 %Classification Xn, R22
F+, R12
R19
R66
R67

Ethanol

CAS no. 64-17-5

EINECS no. 200-578-6

Concentration \geq 10 < 25 %

Classification F, R11

Cellulose nitrate

Concentration \geq 1 < 10 %

Classification F, R11

04. First aid measures

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General information

If you feel unwell, seek medical advice (show the label where possible).. Remove contaminated clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air.. Take medical treatment.

After skin contact

In case of contact with skin wash off immediately with plenty of water.. Consult a doctor if skin irritation persists.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.. In case of irritation consult an oculist.

After ingestion

Rinse out mouth and give plenty of water to drink.. Do not induce vomiting.. Summon a doctor immediately.

05. Fire-fighting measures**Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

Non Suitable extinguishing media

Full water jet

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

Development of toxic gases; Forms explosive mixture with air are possible.; Vapours heavier than air.

06. Accidental release measures**Personal precautions**

Ensure supply of fresh air.. Keep away from sources of ignition - No smoking.. Do not inhale vapours.

Environmental precautions

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

Methods for cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust).. Take up mechanically and collect in suitable container for disposal.. When picked up, treat material as prescribed under heading "Disposal".. Clean up affected area.

07. Handling and storage**Handling****Advice on safe handling**

Keep away from heat and sources of ignition.. Take precautionary measures against electrostatic loading.. Open and handle container with care.

Storage**Requirements for storage rooms and vessels**

Keep container tightly closed in a well-ventilated place.

Further information on storage conditions

Protect from heat and direct sunlight.

Recommended storage temperature

Value 15 - 25 °C



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08. Expose controls/personal protection

Exposure limit values

Ethanol

Type	MAK			
Value	960	mg/m ³	500	ppm(V)
Short term exposure limit	1920	mg/m ³	1000	ppm(V)
Short-term exposure limit	4x15			
Pregnancy group	C			

Diethyl ether

Type	MAK			
Value	1200	mg/m ³	400	ppm(V)
Short term exposure limit	1200	mg/m ³	400	ppm(V)
Short-term exposure limit	15 min			
Pregnancy group	D			

General protective and hygiene measures

General industrial hygiene practice. Avoid any contact with the body.

Occupational exposure controls

Respiratory protection

necessary; Provide adequate ventilation.; Do not breathe vapours, dust or aerosol.

Hand protection

necessary

Eye protection

necessary

Skin protection

necessary

09. Physical and chemical properties

General information

Form	liquid
Colour	colourless
Colour	light yellow

Important health, safety and environmental information

Flash point

Value	-52	°C
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Boiling point

Value	appr. 34	°C
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Vapour pressure

Value	576	hPa
temperature	20	°C

Density

Value	appr. 0.75	to	0.77
temperature	20	°C	

Solubility in water

Remarks	insoluble
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10. Stability and reactivity

Conditions to avoid



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Protect from light.. Protect from heat/overheating.

Materials to avoid

Reactions with air., Alkaline metals, Oxidising agents, oxygen

Hazardous decomposition products

Peroxides

11. Toxicological information**Acute toxicity / further data****Acute oral toxicity**

Species	rat		
LD50		1215	mg/kg
Remarks	Harmful if swallowed.		

Irritant/corrosive effects**Irritant effect on skin**

Remarks No effect of irritation known.

Effects after repeated or prolonged exposition (subacute, subchronic, cronic)**Experience in practice**

May lead to drowsiness and unconsciousness.

Other information

Observe the usual precautions for handling chemicals.

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

Ecological injuries are not known or expected under normal use.

13. Disposal considerations**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**

UN number	2059
Class	3
Packing group	I
Label	3
Technical name	NITROCELLULOSE SOLUTION, FLAMMABLE
Danger releasing substance	Diethyl ether

Marine transport IMDG/GGVSee

UN number	2059
Class	3
Packing group	I
Technical name	NITROCELLULOSE SOLUTION, FLAMMABLE
Danger releasing substance	Diethyl ether

Air transport ICAO/IATA

UN number	2059
Class	3



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Packing group	I
Technical name	NITROCELLULOSE SOLUTION, FLAMMABLE
Danger releasing substance	Diethyl ether

15. Regulatory information

Labelling in accordance with EC directives

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

Hazard symbols

F+	Extremely flammable
Xn	Harmful

Hazardous component(s) to be indicated on label

contains	Diethyl ether
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R phrases

12	Extremely flammable.
22	Harmful if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

S phrases

13	Keep away from food, drink and animal feedingstuffs.
16	Keep away from sources of ignition - No smoking.
33	Take precautionary measures against static discharges.
51	Use only in well-ventilated areas.

16. Other information

R-phrases of the ingredients listed in chapter 3

11	Highly flammable.
12	Extremely flammable.
19	May form explosive peroxides.
22	Harmful if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

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.