

Trade name: Collodium 8%

Substance number: 211250

Version: 5 / CH

Date revised: 13.11.2025

Replaces Version: 4 / CH

Print date: 13.11.25

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Collodium 8%

Item No. 21125000

Substance / product identification

UFI UGN8-YV6E-6X1F-HWWC

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/preparation**

Pharmaceutical excipient, Reagent for analyses

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 person responsible
for this SDS sdb@haenseler.ch

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)

Flam. Liq. 1	H224
Acute Tox. 4	H302
STOT SE 3	H336

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 *****

Danger

Hazard statements ***

H224	Extremely flammable liquid and vapour.
H302	Harmful if swallowed.

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H336 May cause drowsiness or dizziness.

Precautionary statements ***

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTRE or doctor if you feel unwell.

P501.3 Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains *** diethyl ether

Supplemental information

EUH019 May form explosive peroxides.

EUH066 Repeated exposure may cause skin dryness or cracking.

Reduced labeling (<= 125 ml)**Hazard pictograms *******Signal word *****

Danger

Hazard statements ***

H224 Extremely flammable liquid and vapour.

Precautionary statements ***

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take action to prevent static discharges.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501.3 Disposal in compliance with local and national regulations.

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****Hazardous ingredients *******diethyl ether**

CAS No. 60-29-7

EINECS no. 200-467-2

Registration no. 01-2119535785-29-XXXX

Concentration >= 59 %

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Flam. Liq. 1	H224
Acute Tox. 4	H302
STOT SE 3	H336

ATE oral 1'200 mg/kg

Further ingredients**ethanol**

CAS No.	64-17-5				
EINECS no.	200-578-6				
Registration no.	01-2119457610-43-0098				
Concentration	>= 10	<	25	%	
Advice: [3]					
Classification (Regulation (EC) No. 1272/2008)					
Flam. Liq. 2	H225				

Cellulose nitrate

CAS No.	9004-70-0				
Concentration	>= 1	<	10	%	
Advice: [4]					
Classification (Regulation (EC) No. 1272/2008)					
Flam. Sol. 1	H228				

water

CAS No.	7732-18-5				
EINECS no.	231-791-2				
Concentration	>= 1	<	10	%	
Advice: [4]					

propan-2-ol

CAS No.	67-63-0				
EINECS no.	200-661-7				
Registration no.	01-21194557558-25-XXXX				
Concentration		<	1	%	
Advice: [3]					
Classification (Regulation (EC) No. 1272/2008)					
Flam. Liq. 2	H225				
Eye Irrit. 2	H319				
STOT SE 3	H336				

Note

[3] Substance with occupational exposure limits
 [4] Voluntary information

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

In any case show the physician the Safety Data Sheet.

After inhalation ***

Ensure supply of fresh air. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice. If necessary, give oxygen. Summon a doctor immediately.

After skin contact ***

Wash skin thoroughly with water (15 min.). Remove contaminated, soaked clothing immediately and

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dispose of safely.

After eye contact ***

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion ***

Drink water in small gulps. Never give anything by mouth to an unconscious person. Take medical treatment.

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

Dizziness, Excitement, Convulsions, Nausea, Vomiting, Cardiovascular disturbance, Narcosis

SECTION 5: Firefighting measures *****5.1. Extinguishing media****Suitable extinguishing media *****

Carbon dioxide, Foam, Dry powder

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby, pressure build-up and danger of bursting are possible. Development of toxic gases; Nitrous gases (NO_x); After extinction of the fire the material may be unstable and can rekindle or release toxic gases. On that score ensure that residues of the fire are thoroughly wetted with water.

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. Suppress vapours with water spray jet. Do not discharge into surface waters/groundwater.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure supply of fresh air. Avoid contact with eyes and skin. Do not inhale vapours. Use personal protective clothing. Keep away from sources of ignition - No smoking.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Dampen, pick up mechanically and dispose of.

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

Never let running dry. Keep container tightly closed. Ensure adequate ventilation.

Advice on protection against fire and explosion

Do not smoke. Avoid impact and friction. Keep away from sources of heat and ignition. Use explosion-proof equipment/fittings and non-sparking tools. Take action to prevent static discharges.

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

Value 15 - 25 °C

Storage stability

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Storage time: 24 months

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Keep tightly closed in a dry and cool place. Protect from exposure to light. Store away from sources of ignition and heat.

Hints on storage assembly

Do not store together with: Alkalies, corrosive substances, Amines, Oxidising agents, Do not store with combustible liquids.

Storage classes

Storage class according to TRGS 510	3	Flammable liquid
Storage category (Switzerland)	3	Flammable liquid

Further information on storage conditions

Protect from heat. Keep away from sources of ignition. Protect from direct sunlight.

SECTION 8: Exposure controls/personal protection *****8.1. Control parameters****Exposure limit values****ethanol**

List	SUVA			
Type	MAK			
Value	960	mg/m ³	500	ppm(V)
Short term exposure limit	1920	mg/m ³	1000	ppm(V)
Pregnancy group: S Remarks: SSs; Formal; INRS NIOSH				

diethyl ether

List	SUVA			
Type	MAK			
Value	1200	mg/m ³	400	ppm(V)
Short term exposure limit	1200	mg/m ³	400	ppm(V)
Remarks: ZNS, Geruch, OAWKT HU; NIOSH				

propan-2-ol

List	SUVA			
Type	MAK			
Value	500	mg/m ³	200	ppm(V)
Short term exposure limit	1000	mg/m ³	400	ppm(V)
Pregnancy group: S Remarks: B SSs; Auge & OAW, ZNS, LeberKT AN; INRS, NIOSH				

Derived No/Minimal Effect Levels (DNEL/DMEL)**ethanol**

Type of value	Derived No Effect Level (DNEL)		
Reference group	Worker		
Duration of exposure	Long term		
Route of exposure	dermal		
Mode of action	Systemic effects		
Concentration	343		mg/kg/d

Type of value	Derived No Effect Level (DNEL)		
Reference group	Worker		
Duration of exposure	Long term		
Route of exposure	inhalative		
Mode of action	Systemic effects		
Concentration	950		mg/m ³

diethyl ether

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Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	308	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	616	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	44	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	54.5	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	15.6	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	15.6	mg/kg/d

propan-2-ol

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	888	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	500	mg/m ³

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Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer use	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	319	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	89	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	26	mg/kg

Predicted No Effect Concentration (PNEC)**ethanol**

Type of value	PNEC	
Type	Freshwater	
Conditions	Long term	
Concentration	0.96	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0.79	mg/l

Type of value	PNEC	
Type	Freshwater sediment	
Concentration	3.6	mg/kg

Type of value	PNEC	
Type	Marine sediment	
Concentration	2.9	mg/kg

Type of value	PNEC	
Type	Freshwater	
Conditions	Intermittend	
Concentration	2.75	mg/l

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	580	mg/l

diethyl ether

Type of value	PNEC	
Type	Freshwater	
Concentration	2	mg/l

Type of value	PNEC	
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Type	Saltwater	
Concentration	0.2	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	4.2	mg/l
Type of value	PNEC	
Type	Sediment	
Concentration	9.14	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0.914	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0.66	mg/kg
propan-2-ol		
Type of value	PNEC	
Type	Freshwater	
Concentration	140.9	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	140.9	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	2251	mg/l
Type of value	PNEC	
Type	Sediment	
Concentration	552	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	28	mg/kg

8.2. Exposure controls

General protective and hygiene measures ***

Remove contaminated, soaked clothing immediately and dispose of safely. Preventative skin protection. Wash hands and face after work. Work only in fume cupboards. Do not inhale vapours. Do not inhale aerosols.

Respiratory protection ***

Breathing apparatus in the event of vapours. Breathing apparatus in the event of aerosol or mist formation. Gas filterAX.

Hand protection ***

Gloves	
Appropriate Material	viton
Material thickness	0.70 mm
Breakthrough time	> 30 min

Eye protection ***

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necessary

Body protection ***

light protective clothing, anti-static; Fire-resistant antistatic protective clothing

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

Physical state	liquid, viscous
Colour	colourless to slightly yellow
Odour	ether-like
Colour	clear to slightly cloudy

Melting point

Remarks	No data available
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Boiling point or initial boiling point and boiling range

Value	34	to	34.6	°C
Pressure	1013	hPa		

Upper and lower explosive limits

Lower explosion limit	1.7	to	36	%(V)
Source	Merck KGaA Safety Data Sheet			

Flash point

Value	-40	to	-52	°C
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Auto-ignition temperature

Value	170	°C
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pH value

Value	appr. 7
Source	Merck KGaA Safety Data Sheet

Vapour pressure

Value	576	hPa
Temperature	20	°C
Source	Merck KGaA Safety Data Sheet	

Density and/or relative density

Value	0.76	to	0.78	g/cm ³
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9.2. Other information**Solubility in water *****

Remarks	partly soluble
Remarks	emulsifiable

Explosive properties

evaluation	no
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SECTION 10: Stability and reactivity**10.1. Reactivity**

May form explosive peroxides. Formation of explosive gas/air mixtures.

10.2. Chemical stability

Protect from light.

10.3. Possibility of hazardous reactions

Keep away from sources of heat and ignition. Protect from light. Air

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10.4. Conditions to avoid

Keep away from sources of heat and ignition. Flames. Sparks. shock. friction. At increase of temperature the stability decrease and the product will be degraded. Prevent vaporizing of the moistening medium.

10.5. Incompatible materials

Reactions with air. Ozone (danger of explosion!), oxygen, Risk of explosion with: Halogens, Strong oxidising agents, Reaction with nitric acid. sulphur, hydrogen peroxide (H₂O₂)

10.6. Hazardous decomposition products

Peroxides

Other information

sensitive to air. Danger of explosion. Vapours and gases can form an explosive mixture with air.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

ATE	1'739.99	mg/kg
	99	
Method	calculated value according to GHS (e.g see UN GHS)	
Remarks	The classification criteria are met.	

Acute oral toxicity (Components)**ethanol**

Species	rat	
LD50	7060	mg/kg
Source	Toxicology and Applied Pharmacology. Vol. 16, Pg. 718, 1970.	

ethanol

Species	rat	
LD50	10470	mg/kg

diethyl ether

Species	rat	
LD50	1200	mg/kg

propan-2-ol

Species	rat	
LD50	5840	mg/kg
Method	OECD 401	

Cellulose nitrate

Species	rat	
LD50	> 2000	mg/kg

Acute dermal toxicity

Remarks	Based on available data, the classification criteria are not met.
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Acute dermal toxicity (Components)**ethanol**

Species	rabbit	
LD50	15800	mg/kg

ethanol

NOAEL	8232	mg/kg
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diethyl ether

Species	rabbit	
LD50	> 20000	mg/kg
Method	OECD 402	

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propan-2-ol

Species	rabbit		
LD50	13900		mg/kg
Method	OECD 402		

Acute inhalational toxicity

Remarks	Based on available data, the classification criteria are not met.
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Acute inhalative toxicity (Components)**ethanol**

Species	rat		
LC50	30000		mg/m ³
Duration of exposure	4	h	
Administration/Form	Vapors		

diethyl ether

Species	rat		
LC50	32000		ppm(V)
Duration of exposure	4	h	
Administration/Form	Vapors		

propan-2-ol

Species	rat		
LC50	> 25		mg/l
Duration of exposure	6	h	
Administration/Form	Vapors		
Method	OECD 403		

Skin corrosion/irritation

Remarks	Based on available data, the classification criteria are not met.
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Skin corrosion/irritation (Components)**ethanol**

evaluation	non-irritant
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diethyl ether

Species	rabbit		
Duration of exposure	4	h	
evaluation	non-irritant		
Method	OECD 404		

propan-2-ol

evaluation	non-irritant
Method	OECD 404
Remarks	Repeated and prolonged skin contact may lead to defatting and irritation of the skin.

Cellulose nitrate

Species	rabbit		
Observation Period	4	h	
evaluation	non-irritant		
Method	OECD 404		

Serious eye damage/irritation

Remarks	Based on available data, the classification criteria are not met.
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Serious eye damage/irritation (Components)**ethanol**

evaluation	irritant
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diethyl ether

Species	rabbit		
evaluation	non-irritant		

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Method OECD 405

propan-2-ol

evaluation irritant

Method OECD 405

Cellulose nitrate

Species rabbit

Duration of exposure 24 h

evaluation non-irritant

Method OECD 405

Sensitization

Remarks Based on available data, the classification criteria are not met.

Sensitization (Components)**ethanol**

evaluation non-sensitizing

diethyl ether

Species mouse

evaluation non-sensitizing

Method OECD 429

propan-2-ol

Route of exposure dermal

Species guinea pig

evaluation non-sensitizing

Method OECD 406

Subacute, subchronic, chronic toxicity

Remarks Change of blood count possible.

Mutagenicity

Remarks Based on available data, the classification criteria are not met.

Mutagenicity (Components)**ethanol**

evaluation No mutagenicity in the Ames-test.

diethyl ether

Species Salmonella typhimurium

evaluation No mutagenicity in the Ames-test.

Method Ames test

propan-2-ol

Species Salmonella typhimurium

Method OECD 471

Remarks None

propan-2-ol

Species hamster

evaluation No experimental information on genotoxicity in vitro available.

Method OECD 476

propan-2-ol

Species mouse

evaluation No mutagenicity in the micronucleus test.

Method OECD 474

propan-2-ol

Species rat

Dose 400 mg/kg

evaluation No experimental indications on genotoxicity in vivo found.

Method OECD 414

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Reproductive toxicity

Remarks Based on available data, the classification criteria are not met.

Reproduction toxicity (Components)**propan-2-ol**

Route of exposure oral
 Species rat
 Dose 853 mg/kg
 Duration of exposure 1 d
 evaluation No negative effects
 Method OECD 416

propan-2-ol

Route of exposure oral
 Species rat
 Dose 500 mg/kg
 Method OECD 414

Carcinogenicity

Remarks Based on available data, the classification criteria are not met.

Carcinogenicity (Components)**diethyl ether**

evaluation No negative effects

propan-2-ol

Route of exposure inhalative
 Species mouse
 Dose <= 5000 ppm(m)
 Duration of exposure 5 d
 evaluation No negative effects
 Method OECD 451

Specific Target Organ Toxicity (STOT)**Single exposure**

Remarks The classification criteria are met.
 evaluation May cause drowsiness or dizziness.

Repeated exposure

Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) (Components)**diethyl ether****Single exposure**

evaluation May cause drowsiness or dizziness.

propan-2-ol

Organs: Nervous system

Aspiration hazard

Based on available data, the classification criteria are not met.

Aspiration hazard (Components)**propan-2-ol**

Harmful: may cause lung damage if swallowed.

11.2. Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

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Experience in practice

Inhalation causes narcotic effect/intoxication. Inhalation of vapours may lead to headache, drowsiness and dizziness. Possible risk of harm to the unborn child.

Other information

Observe the usual precautions for handling chemicals.

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

Reference substance	Cellulose nitrate	
Species	zebra fish (<i>Brachydanio rerio</i>)	
LC50	> 5000	mg/l
Duration of exposure	96 h	
Method	OECD 203	
Reference substance	ethanol	
Species	zebra fish (<i>Brachydanio rerio</i>)	
LC50	> 8140	mg/l
Duration of exposure	48 h	
Reference substance	diethyl ether	
Species	golden orfe (<i>Leuciscus idus</i>)	
LC50	2840	mg/l
Duration of exposure	48 h	
Reference substance	diethyl ether	
Species	Fathead minnow (<i>Pimephales promelas</i>)	
LC50	2600	mg/l
Duration of exposure	96 h	

Fish toxicity (Components)**ethanol**

Species	golden orfe (<i>Leuciscus idus</i>)	
LC50	8140	mg/l
Duration of exposure	96 h	

diethyl ether

Species	golden orfe (<i>Leuciscus idus</i>)	
LC50	> 100	mg/l
Duration of exposure	48 h	

diethyl ether

Species	Fathead minnow (<i>Pimephales promelas</i>)	
LC50	2560	mg/l
Duration of exposure	96 h	
Method	OECD 203	

propan-2-ol

Species	Fathead minnow (<i>Pimephales promelas</i>)	
LC50	9640	mg/l
Duration of exposure	96 h	
Method	OECD 203	

Cellulose nitrate

Species	zebra fish (<i>Brachydanio rerio</i>)	
LC50	> 5000	mg/l
Duration of exposure	96 h	
Method	OECD 203	

Daphnia toxicity

Reference substance	Cellulose nitrate
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Species	Daphnia magna		
EC50	> 10000		mg/l
Duration of exposure	48	h	
Method	OECD 201		
Reference substance	diethyl ether		
Species	Daphnia magna		
EC50	165		mg/l
Duration of exposure	24	h	

Daphnia toxicity (Components)**ethanol**

Species	Daphnia magna		
EC50	9000	to 14000	mg/l
Duration of exposure	48	h	

diethyl ether

Species	Daphnia magna		
EC50	> 100		mg/l
Duration of exposure	48	h	

diethyl ether

Species	Daphnia magna		
EC50	165		mg/l
Duration of exposure	24	h	

diethyl ether

Species	Daphnia magna		
IC50	1380		mg/l
Duration of exposure	48	h	

propan-2-ol

Species	Daphnia magna		
LC50	9714		mg/l
Duration of exposure	24	h	
Method	OECD 202		

Cellulose nitrate

Species	Daphnia magna		
EC50	> 10000		mg/l
Duration of exposure	48	h	
Method	OECD 201		

Algae toxicity

Reference substance	Cellulose nitrate		
EC/LC50	> 10000		mg/l
Duration of exposure	78	h	

Algae toxicity (Components)**diethyl ether**

Species	Desmodesmus subspicatus		
EC50	> 100		mg/l
Duration of exposure	72	h	
Method	OECD 201		

diethyl ether

Species	Desmodesmus subspicatus		
NOEC	100		mg/l
Duration of exposure	72	h	
Method	OECD 201		

propan-2-ol

Species	Scenedesmus subspicatus		
EC50	> 100		mg/l

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Duration of exposure 72 h

Cellulose nitrate

LC50 > 10000 mg/l

Duration of exposure 78 h

Method OECD 201

Bacteria toxicity

Reference substance Cellulose nitrate

EC50 > 10000 mg/l

Method OECD 209

Reference substance ethanol

EC50 6500 mg/l

Bacteria toxicity (Components)**diethyl ether**

Species Photobacterium phosphoreum

EC50 5600 mg/l

Duration of exposure 15 min

propan-2-ol

EC50 > 100 mg/l

Cellulose nitrate

EC50 > 10000 mg/l

Method OECD 209

12.2. Persistence and degradability**Biodegradability**

Reference substance Cellulose nitrate

Value appr. 20 %

Duration of test 28 d

Method OECD 301 B

Reference substance ethanol

Value > 90 %

evaluation Readily biodegradable (according to OECD criteria)

Reference substance diethyl ether

evaluation Slightly biodegradable

Biodegradability (Components)**ethanol**

Value 94 %

evaluation Readily biodegradable

diethyl ether

evaluation not readily degradable

propan-2-ol

Value 53 %

Duration of test 5 d

evaluation Readily biodegradable

Cellulose nitrate

Value appr. 20 %

Duration of test 28 Days

Method OECD 301 B

Chemical oxygen demand (COD) (Components)**ethanol**

Value 0.93 to 1.67 mg/g

12.3. Bioaccumulative potential

Trade name: Collodium 8%

Substance number: 211250

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Octanol/water partition coefficient (log Pow) (Components)

ethanol
log Pow -0.31

diethyl ether
log Pow 1.05

propan-2-ol
log Pow 0.05

Bioconcentration factor (BCF) (Components)

ethanol
BCF 0.66

12.4. Mobility in soil**Mobility in soil (Components)**

diethyl ether
Moderately mobile in soils

propan-2-ol
Mobile in soils

Cellulose nitrate
Immobile

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment**

The product contains no PBT substances
The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

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

Do not allow it to reach soil, ground water, water bodies or sewage system.

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.
Disposal in compliance with local and national regulations.

SECTION 14: Transport information ***

Trade name: Collodium 8%




Substance number: 211250

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	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
14.1. UN number or ID number	2059	2059	2059
14.2. UN proper shipping name	NITROCELLULOSE SOLUTION, FLAMMABLE, (diethyl ether, ethanol)	NITROCELLULOSE SOLUTION, FLAMMABLE, (diethyl ether, ethanol)	NITROCELLULOSE SOLUTION, FLAMMABLE, (diethyl ether, ethanol)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	I	I	I
Limited Quantity	0	0	
Transport category	1		
14.5. Environmental hazards	-		
Tunnel restriction code	B		

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

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

Other information ***

The product does not contain substances according to Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH) with a content of $\geq 0.1\%$ w/w.

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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

Flam. Liq. 1	H224	On basis of test data
Acute Tox. 4	H302	Calculation method
STOT SE 3	H336	Calculation method

Hazard statements listed in Chapter 2/3

H224	Extremely flammable liquid and vapour.
H302	Harmful if swallowed.

Trade name: Collodium 8%

Substance number: 211250

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H336

May cause drowsiness or dizziness.

CLP categories listed in Chapter 2/3

Acute Tox. 4

Acute toxicity, Category 4

Flam. Liq. 1

Flammable liquid, Category 1

STOT SE 3

Specific target organ toxicity - single exposure, Category 3

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.