



Trade name: Pyroxylinum mit Isopropanol angefeuchtet

Substance number: 067440

Version: 2 / CH

Date revised: 23.04.12

Replaces Version: 1 / CH

Date of printing: 23.04.12

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

1.1. Product identifier

Pyroxylinum mit Isopropanol angefeuchtet
Item-No. 06744000

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
person responsible
for this SDS sdb@haenseler.ch

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)
Flam. Liq. 2 H225
Eye Irrit. 2 H319
STOT SE 3 H336

Classification in accordance with EC directives

Classification F, R11
R67
Xi, R36

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P264 Wash ... thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P337+P313 If eye irritation persists: Get medical advice/attention.



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P304+P340

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

P370+P378.2

In case of fire: Use extinguishing powder or sand for extinction.

P501.3

Disposal in compliance with local and national regulations.

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 ***

Highly flammable



Irritant

R phrases ***

11	Highly flammable.
36	Irritating to eyes.
67	Vapours may cause drowsiness and dizziness.

S phrases ***

9	Keep container in a well-ventilated place.
16	Keep away from sources of ignition - No smoking.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
33	Take precautionary measures against static discharges.
60	This material and its container must be disposed of as hazardous waste.

3. Composition/information on ingredients *****Hazardous ingredients *******Propan-2-ol**

CAS No.	67-63-0		
EINECS no.	200-661-7		
Concentration		35	%
Classification	Xi, R36 F, R11 R67		

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

Flam. Liq. 2	H225
Eye Irrit. 2	H319
STOT SE 3	H336

Cellulose nitrate

CAS No.	9004-70-0		
Concentration		75	%
Classification	F, R11		

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

Flam. Liq. 2	H225
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4. First aid measures**4.1. Description of first aid measures**



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After inhalation

Remove the casualty into fresh air and keep him calm. Irregular breathing/no breathing: artificial respiration. If necessary, give oxygen. Summon a doctor immediately.

After skin contact

In case of contact with skin wash off immediately with plenty of water. 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.). Summon a doctor immediately.

After ingestion

Do not induce vomiting. Let plenty of water be drunk in small gulps. Never give anything by mouth to an unconscious person. Seek medical advice immediately.

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

Excess of water

Non Suitable extinguishing media

Carbon dioxide, Foam, Dry chemical extinguisher, Sand

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.

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.

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 precautionary measures against static charges.

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



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Value <= 40 °C

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Keep tightly closed in a dry and cool place.

Hints on storage assembly

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

Further information on storage conditions

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

8. Exposure controls/personal protection *****8.1. Control parameters****Exposure limit values *******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)
Maximum limit value: 4x15; Pregnancy group: C; Status: 2005; Remarks: B				

8.2. Exposure controls**General protective and hygiene measures**

Provide adequate ventilation.

Respiratory protection

Provide good ventilation of working area (local exhaust ventilation if necessary). Breathing apparatus in the event of gases.

Hand protection

Gloves (solvent-resistant)

Appropriate Material	Butyl rubber - Butyl
Material thickness	0.5 mm
Penetrating time	8 h
antistatic gloves	

Eye protection

Safety glasses with side protection shield; Face shield

Body protection

protective overalls, antistatic

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

Form	Fibre
Colour	white to slightly yellow
Odour	of isopropanol
pH	
Value	appr. 7
Concentration/H ₂ O	100 g/l
Boiling point	
Value	°C
Remarks	Not applicable
Flash point	



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Value	12	°C
Flammability		
self inflammable		
Explosion limits		
Lower explosion limit	2.0	%(V)
Upper explosion limit	12.0	%(V)
Vapour pressure		
Value	41.6	mbar
Temperature	20	°C
Density		
Value	> 1	kg/dm ³
Solubility in water		
Remarks	insoluble	
Octanol/water partition coefficient (log Pow)		
Reference substance	Cellulose nitrate	
log Pow	< 0.0	

9.2. Other information

Bulk density

Value 250 to 600 kg/m³

10. Stability and reactivity

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.

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, nitrous oxides (NO_x), Toxic gases/vapours

11. Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Reference substance	Cellulose nitrate		
Species	rat		
LD50	> 2000	mg/kg	
method	OECD 401		
Reference substance	Propan-2-ol		
Species	rat		
LD50	4570	mg/kg	

Acute dermal toxicity

Reference substance	Propan-2-ol		
Species	rabbit		
LD50	> 12800	mg/kg	

Acute inhalational toxicity

Reference substance	Propan-2-ol			
Species	rat			
LC50	46	to	73	mg/l
Duration of exposure	4	h		

Skin corrosion/irritation



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Reference substance	Cellulose nitrate
Species	rabbit
Duration of exposure	4 h
valuation	non-irritant
method	OECD 404
Reference substance	Propan-2-ol
valuation	irritant

Serious eye damage/irritation

Reference substance	Cellulose nitrate
Species	rabbit
Duration of exposure	24
valuation	non-irritant
method	OECD 405
Reference substance	Propan-2-ol
valuation	strongly irritant

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

Reference substance	Cellulose nitrate	
Species	zebra fish (Brachydanio rerio)	
LC50	> 5000	mg/l
Duration of exposure	96 h	
method	OECD 203	
Reference substance	Propan-2-ol	
Species	zebra fish (Brachydanio rerio)	
LC50	> 9000	mg/l
Duration of exposure	96 h	
method	OECD 203	

Daphnia toxicity

Reference substance	Cellulose nitrate	
Species	Daphnia magna	
EC50	> 10000	mg/l
Duration of exposure	78 h	
method	OECD 202	
Reference substance	Propan-2-ol	
Species	Daphnia magna	
EC50	> 9000	mg/l
Duration of exposure	24 h	
method	OECD 202	

Algae toxicity

Reference substance	Cellulose nitrate	
EC/LC50	> 10000	mg/l
Duration of exposure	78 h	
Reference substance	Propan-2-ol	
EC/LC50	> 1000	mg/l
Duration of exposure	72 h	

Bacteria toxicity

Reference substance	Cellulose nitrate	
EC50	> 10000	mg/l
method	OECD 209	
Reference substance	Propan-2-ol	
EC50	1050	mg/l



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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	Propan-2-ol		
Value	> 90		%
valuation	Readily biodegradable (according to OECD criteria)		

12.3. Bioaccumulative potential

Octanol/water partition coefficient (log Pow)

Reference substance	Cellulose nitrate
log Pow	< 0.0

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

14.1. UN number

UN 2556

14.2. UN proper shipping name

NITROCELLULOSE WITH ALCOHOL

14.3. Transport hazard class(es)

Class 4.1

Label 4.1

14.4. Packing group

Packing group II

Marine transport IMDG/GGVSee

14.1. UN number

UN 2556

14.2. UN proper shipping name

NITROCELLULOSE WITH ALCOHOL

14.3. Transport hazard class(es)

Class 4.1

14.4. Packing group

Packing group II

Air transport ICAO/IATA

14.1. UN number

UN 2556

14.2. UN proper shipping name

NITROCELLULOSE WITH ALCOHOL

14.3. Transport hazard class(es)

Class 4.1



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14.4. Packing group

Packing group

II

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

11	Highly flammable.
36	Irritating to eyes.
67	Vapours may cause drowsiness and dizziness.

Hazard statements listed in chapter 3

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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.