

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 6/24/2014 Revision date: 2/20/2023 Supersedes version of: 7/13/2022 Version: 4.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Cristal-Net

UFI : CE0P-U3K4-0D09-T99X

Product code : ER20405
Type of product : Detergent
Product group : Trade product

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use

Function or use category : Cleaning/washing agents and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ERES-SAPOLI N.V.

Tulpenstraat 6

BE- 9810 Eke-Nazareth

Belgium

T +32 (0)9 385 59 11

info@eres.sapoli.be - www.eres-sapoli.be

1.4. Emergency telephone number

Emergency number : +32 (0)9 385 59 11

Opening hours: Monday - Thursday: 8:30-17:00; Friday 8:30-15:00.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3 H226

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS02

Signal word (CLP)
Hazard statements (CLP)

(CLP) : Warning

Precautionary statements (CLP)

: H226 - Flammable liquid and vapour.: P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
ethanol	The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethanol	REACH-no: 01-2119457610- 43	1 – 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Propylene glycol propyl ether	CAS-No.: 1569-01-3 EC-No.: 216-372-4 REACH-no: 01-2119474443- 37	1 – 10	Flam. Liq. 3, H226 Eye Irrit. 2, H319
Propan-2-ol substance with a Community workplace exposure limit	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558- 25	1 – 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
ethanol	REACH-no: 01-2119457610- 43	(0 ≤C < 50) Eye Dam./Irrit. Not classified (50 ≤C < 100) Flam. Liq. 2, H225 (50 ≤C < 100) Eye Irrit. 2, H319

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If medical advice is needed, have product container or label at hand. First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

2/20/2023 (Revision date) EN (English) 2/12

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour. Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment. Exercise caution when fighting

any chemical fire.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Evacuate unnecessary

personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or

public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof

equipment. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Propan-2-ol (67-63-0)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	500 mg/m³
IOEL TWA [ppm]	200 ppm
IOEL STEL	1000 mg/m³
IOEL STEL [ppm]	400 ppm

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):







8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

In case of repeated or prolonged contact wear gloves

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour : light blue. Odour : Fresh. PARFUM. Odour threshold : Not available Melting point : Not applicable Freezing point : Not available : Not available Boiling point Flammability : Not applicable **Explosive limits** : Not available : Not available Lower explosion limit : Not available Upper explosion limit Flash point : 41.5 °C : Not available Auto-ignition temperature Decomposition temperature : Not available рΗ : 8.4 (7.9 – 8.9) Viscosity, kinematic : Not available Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available

Vapour pressure at 50°C : Not available
Density : 0.98 (0.93 – 1.03) g/ml

: Not available

Relative density : Not available Relative vapour density at 20°C : Not available Particle characteristics : Not applicable

9.2. Other information

Vapour pressure

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Additional information : Based on available data, the classification criteria are not met

Additional information	. Based on available data, the classification chieffa are not met		
Propan-2-ol (67-63-0)			
LD50 oral rat	5840 mg/kg		
LD50 oral	4396 mg/kg bodyweight		
LD50 dermal rabbit	13900 mg/kg		
LD50 dermal	12800 mg/kg bodyweight		
LC50 Inhalation - Rat	20 mg/l 8h		
LC50 Inhalation - Rat [ppm]	> 10000 ppm		
LC50 Inhalation - Rat (Dust/Mist)	46600 mg/l		
LC50 Inhalation - Rat (Vapours)	> 25 mg/l/4h		
ATE CLP (oral)	4396 mg/kg bodyweight		
ATE CLP (dermal)	12800 mg/kg bodyweight		
ATE CLP (vapours)	20 mg/l/4h		
ATE CLP (dust,mist)	20 mg/l/4h		
Propylene glycol propyl ether (1569-01-3)	Propylene glycol propyl ether (1569-01-3)		
LD50 oral rat	> 2000 mg/kg		
LD50 oral	> 2000 mg/kg bodyweight		
LD50 dermal rabbit	> 2000 mg/kg		
LD50 dermal	3600 mg/kg bodyweight		
LC50 Inhalation - Rat	8.34 mg/l		
LC50 Inhalation - Rat (Dust/Mist)	> 8462 mg/l		
ATE CLP (dermal)	3600 mg/kg bodyweight		
ATE CLP (vapours)	8.34 mg/l/4h		
ATE CLP (dust,mist)	8.34 mg/l/4h		
ethanol			
LD50 oral rat	6200 ml/kg		
LD50 dermal rabbit	> 20000 mg/m³		
LC50 Inhalation - Rat	> 8000 (51 – 124.7) mg/l/4h		

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

-	
ethanol	
LC50 Inhalation - Rat (Dust/Mist)	> 99999 mg/l/4h
ATE CLP (oral)	4885600 mg/kg bodyweight
ATE CLP (vapours)	51 mg/l/4h
ATE CLP (dust,mist)	51 mg/l/4h
Skin corrosion/irritation :	Not classified pH: 8.4 (7.9 – 8.9)
Serious eye damage/irritation :	Not classified pH: 8.4 (7.9 – 8.9)
Respiratory or skin sensitisation :	Not classified
Germ cell mutagenicity :	Not classified
Carcinogenicity :	Not classified
Propan-2-ol (67-63-0)	
NOAEL (chronic, oral, animal/female, 2 years)	400 mg/kg bodyweight
Reproductive toxicity :	Not classified
Propan-2-ol (67-63-0)	
NOAEL (animal/male, F0/P)	500 (≤ 853) mg/kg
NOAEL (animal/female, F0/P)	500 (≤ 853) mg/kg
STOT-single exposure :	Not classified
Propan-2-ol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure :	Not classified
Aspiration hazard :	Not classified
Propan-2-ol (67-63-0)	
Viscosity, kinematic	3.181 mm²/s
Propylene glycol propyl ether (1569-01-3)	
Viscosity, kinematic	2.71 mm²/s
ethanol	
Viscosity, kinematic	1522.843 mm²/s
44.2 Information on other bounds	

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Hazardous to the aquatic environment, short-term

(acute)

: Not classified

Hazardous to the aquatic environment, long-term

: Not classified

(chronic)

Propan-2-ol (67-63-0)	
LC50 - Fish [1]	9640 mg/l
LC50 - Fish [2]	> 100 mg/kg

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Propan-2-ol (67-63-0)		
EC50 - Crustacea [1]	> 100 mg/l	
EC50 - Crustacea [2]	9714 mg/l	
EC50 72h - Algae [1]	> 100 mg/l	
Propylene glycol propyl ether (1569-01-3)		
LC50 - Fish [1]	> 100 (≥ 100) mg/l	
LC50 - Other aquatic organisms [1]	1466 mg/l	
EC50 - Crustacea [1]	> 100 (≥ 100) mg/l	
EC50 - Other aquatic organisms [1]	1466 mg/l	
EC50 - Other aquatic organisms [2]	1466 mg/l	
ethanol		
LC50 - Fish [1]	15300 mg/l	
LC50 - Fish [2]	11200 mg/l	
EC50 - Crustacea [1]	9268 (9268 – 14221) mg/l	
EC50 - Crustacea [2]	858 mg/l	
EC50 - Other aquatic organisms [1]	275 mg/l	
EC50 - Other aquatic organisms [2]	275 mg/l IC50 algea (72 h) mg/l	

12.2. Persistence and degradability

Propan-2-ol (67-63-0)		
Persistence and degradability	Not established.	
Biodegradation	53 %	
Propylene glycol propyl ether (1569-01-3)		
Persistence and degradability	Not established.	
Biodegradation	91.5 %	
ethanol		
Persistence and degradability	Not established.	
Biochemical oxygen demand (BOD)	0.00093 – 0.00167 g O ₂ /g substance	
Chemical oxygen demand (COD)	1.99 g O₂/g substance	

12.3. Bioaccumulative potential

Propan-2-ol (67-63-0)		
BCF - Fish [1]	< 100	
Partition coefficient n-octanol/water (Log Pow)	0.05	
Bioaccumulative potential	Not established.	
Propylene glycol propyl ether (1569-01-3)		
Bioconcentration factor (BCF REACH)	< 100	
Partition coefficient n-octanol/water (Log Pow)	0.621	
Bioaccumulative potential	Not established.	

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ethanol	
Bioconcentration factor (BCF REACH)	0.66
Partition coefficient n-octanol/water (Log Pow)	-0.35
Partition coefficient n-octanol/water (Log Kow)	-0.3
Bioaccumulative potential	Not established.

12.4. Mobility in soil

Propan-2-ol (67-63-0)	
Surface tension 22.7 mN/m	
Propylene glycol propyl ether (1569-01-3)	
Ecology - soil	In water, material soluble.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapours may accumulate in the container.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID n	umber			
UN 1993	UN 1993	UN 1993	UN 1993	UN 1993
14.2. UN proper shipping	g name			
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
Transport document descri	ption			
UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III, (D/E)	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III	UN 1993 Flammable liquid, n.o.s., 3, III	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III
14.3. Transport hazard c	lass(es)			
3	3	3	3	3
3	3	3	3	3

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

IMDG	IATA	ADN	RID
III	III	III	III
ards			
Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
	III ards Dangerous for the environment: No	III III ards Dangerous for the environment: No environment: No	III III III Pards Dangerous for the environment: No environment: No environment: No

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 274, 601
Limited quantities (ADR) : 51
Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions : TP1, TP29

(ADR)

Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3
Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 30
Orange plates : I

30 1993

Tunnel restriction code (ADR) : D/E

Transport by sea

Special provisions (IMDG) : 223, 274, 955

Limited quantities (IMDG) : 5 L Excepted quantities (IMDG) : E1 Packing instructions (IMDG) : LP01, P001 IBC packing instructions (IMDG) : IBC03 Tank instructions (IMDG) : T4 Tank special provisions (IMDG) : TP1, TP29 EmS-No. (Fire) : F-E : S-E EmS-No. (Spillage) Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y344 PCA limited quantity max net quantity (IATA) : 10L PCA packing instructions (IATA) : 355 PCA max net quantity (IATA) : 60L CAO packing instructions (IATA) : 366 CAO max net quantity (IATA) : 220L Special provisions (IATA) : A3 ERG code (IATA) : 3L

Inland waterway transport

Classification code (ADN) : F1

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Special provisions (ADN) : 274, 601
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : F1
Special provisions (RID) : 274, 601
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions : TP1, TP29

(RID)

Tank codes for RID tanks (RID) : LGBF
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Colis express (express parcels) (RID) : CE4
Hazard identification number (RID) : 30

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	
3.	Propan-2-ol ; Propylene glycol propyl ether	
3(a)	Propan-2-ol ; Propylene glycol propyl ether	
3(b)	Propan-2-ol ; Propylene glycol propyl ether	
40.	Propan-2-ol ; Propylene glycol propyl ether ; Propan-2-ol ; Propylene glycol propyl ether	

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:		
Eye Dam./Irrit. Not classified	Serious eye damage/eye irritation Not classified	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
Flam. Liq. 3	Flammable liquids, Category 3	
H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H319	Causes serious eye irritation.	
H336	May cause drowsiness or dizziness.	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.