

EG-Safety Data Sheet

According to Regulation (EC) No. 1907/2006

Version:	1.0 ENG	Date of print:	21.02.2022
Date:	21.02.2022	Revision date:	N/A
Trade name:	CristalCare Professional Series- ActivClean (Stage 1)	Replaces version:	N/A

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

1.1 Product-identifier:

Productshape : Solvent
 Productname : CristalCare Professional series ActivClean (stage 1)

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

Main use category : Professional development/use
 Use of the substance or mixture : High End Glass activator/ surface cleaner

1.3 Details of the supplier of the safety data sheet:

Performan Technologies Phone : +31 (0)252-360165
 Achter de watertoren 11 E-mail : sales@performan.com
 2182 DV Hillegom
 The Netherlands

1.4 Emergency telephone number:

Medical Emergency information in case of poisoning:
 Netherlands : National Poisoning Information Center (NVIC) - Bilthoven Phone: +31 30 274 88 88
 Belgium : National Poisoning Information Center - Brussels Phone: +32 70 245 245

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

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

Classification acc. to GHS

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.6	flammable liquid	2	Flam. Liq. 2	H225
3.3	Serious eye damage/ eye irritation	2	Eye Irrit. 2	H319

For the full text of the abbreviations : SECTION 16

The main adverse physico-chemical, human health and environmental effects

This product is combustible and can be ignited by potential ignition sources.

2.2 Label elements

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

- Hazard pictograms (CLP) : GHS02, GHS07
- Signal word (CLP) : Danger



GHS02



GHS07

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Hazard statements

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

Precautionary statements

P101 When medical advice is needed, keep the package or label available.
P102 Keep out of children's reach.
P210 Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Do not smoke.
P233 Keep container tightly closed
P288 Wear protective gloves and eye protection
P312 IN CASE OF INGESTION: Seek medical advice, call poison center/doctor if you feel unwell.
P337+P313 Get medical advice if eye irritation persists.
P370+P378 Extinguish with foam, powder or CO₂ in case of fire
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.



Hazardous ingredients for labelling: Ethanol

2.3 Other hazards There is no additional information.

SECTION 3: Composition/information on ingredients

3.1 Substances Not relevant (mixture)

3.2 Description of the mixture

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms
Ethanol	CAS No. 64-17-5, EC No. 200-578-6, REACH Reg. No 01-2119457610-43-0010	≥ 50- ≥ 100%	Flam. Liq. 2 / H225 Eye Irrit. 2 / H319 CLP 1272/2008	 

Additional information

- Full text of the R-, H- en EUH-phrases : see section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Please note safety instructions and directions for use on the drum. Immediately remove person concerned out of danger area. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention.

Following inhalation

Get the person out of the danger zone, provide victim into fresh air and keep warm. If breathing is irregular or stopped, seek medical assistance immediately and start first aid actions/ artificial respiration. Call a doctor, when air-passages/airways be affected.

Following skin contact

Wash with plenty of water and rinse. Apply cream carefully to the cleaned skin.

Following eye contact

In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Keep eyelids open and continue rinsing (10-15 min.).

Following ingestion

Rinse mouth thoroughly. Do not induce vomiting. Drink plenty of water. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment required

None

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet, water, alcohol resistant foam, fire extinguishing powder, carbon dioxide (CO₂), powder extinguisher

Unsuitable extinguishing media

Waterjet

5.2 Special hazards arising from the substance or mixture

During fires carbon-monoxide may be given off.

Hazardous combustion products

Carbon monoxide (CO)

5.3 Advice for firefighters

In case of fire and/or explosion avoid breathing fumes with an independent source of air. Co-ordinate firefighting measures to the fire surroundings. Make sure that extinguishing water does not get into sewers or water streams. Collect contaminated extinguishing water separately. Fight the fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Use suitable respiratory equipment

5.4 Additional information

Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protected equipment and emergency procedures

Provide for sufficient ventilation.

6.2 Environmental precautions

Keep away from drains, surface and ground water. If product has contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

None

6.4 Reference to other sections

None

Other information related to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use local and general ventilation. Take precautionary measures against electrostatic discharges.

7.2 Conditions for a safe storage, including any incompatibilities

- Storage class (TRGS 510) : 3
- Do not leave vessels/bottles open, earth storage containers.
- Make sure that ventilation is adequate.
- Storerooms need to be well ventilated.

Additional information on storage conditions

- Observe the safety instructions and instructions for use on the vessel/bottle.
- Store containers tightly closed in a cool well ventilated place.

7.3 Specific comments /details

N/A

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits								
Name of substance	CAS No.	Limit value type (country of origin)	Peak Limitation	TWA (ppm)	TWA (mg/m3)	STEL (ppm)	STEL (mg/m3)	Version
Ethanol	64-17-5	TRGS 900 (D)	2(II)	500	960	500	960	04-11-2017

Notation

STEL

Short-term exposure limit: A limit value above which exposure should not occur, related to a period of 15 minutes, unless otherwise specified.

TWA

Time-weighted average (long-term exposure limit): Measured or calculated in relation to a reference period of 8 hours average weighted by time.

Environmental exposure controls

No additional information.

8.2 Exposure controls

Provide adequate ventilation.

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (= Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protection equipment

Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuff Immediately remove all contaminated clothing.

Eye/face protection

Use tightly fitting safety glasses.

Hand protection

Wear suitable gloves (PVC or rubber)

Respiratory protection

Do not inhale the vapour. Provide for good ventilation.

Environmental exposure controls

Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	Liquid
Form	Fluid
Colour	Colourless
Odour	Alcohol
Clarity	Clear

Other safety parameters

pH (value)	Information not available
Melting point/freezing point	Information not available
Initial boiling point and boiling range	Information not available
Flash point	~20 °C
Density at 20 °C	0,885 - 0,89 g/cm3
Vapour density	Information not available
Relative density	Information not available

9.2 Other information

No additional information.

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SECTION 10: Stability and reactivity

10.1 Reactivity

No additional information available.

10.2 Chemical stability

No additional information available.

10.3 Possible hazardous reactions

No additional information available.

10.4 Conditions to avoid

No additional information available.

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

Reasonably expected hazardous decomposition products produced as a result of use, storage, spillage and heating are not known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Classification procedure

Unless otherwise stated, the classification is based on ingredients of the mixture (additivity formula).

Classification according GHS (1272/2008/EC, CLP)

Acute toxicity

Acute effects oral toxicity of components of the mixture					
Name of substance	CAS No.	Exposure route	Parameter	Effective dose in mg/kg	Species
Ethanol	64-17-5	Oral	LD50	6200	Rat
Butanone	78-93-3	Oral	LD50	2737	Rat
Propan-2-ol	67-63-0	Oral	LD50	8000	Rat
Propan-2-ol	67-63-0	Oral	LDLo	3570	Practical/human experiences

Acute dermal toxicity of components of the mixture					
Name of substance	CAS No.	Exposure route	Parameter	Effective dose in mg/kg	Species
Ethanol	64-17-5	Dermal	LD50	20000	Rabbit
Butanone	78-93-3	Dermal	LD50	5000	Rabbit
Propan-2-ol	67-63-0	Dermal	LD50	12800	Rabbit

Acute inhalation toxicity of components of the mixture					
Name of substance	CAS No.	Exposure route/ Duration	Parameter	Effective dose in mg/l	Species
Ethanol	64-17-5	Inhalation/ 4 hours	LD50	95,6	Rat
Butanone	78-93-3	Inhalation/ 4 hours	LC50	20	Rat
Propan-2-ol	67-63-0	Inhalation/ 4 hours	LC50	46,5	Rat

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity (acute)

No test data are available for the complete mixture.

Aquatic toxicity (acute) of components of the mixture

Acute fish toxicity to components of the mixture						
Name of substance	CAS No.	Analysis/ Evaluation parameter	Duration	Parameter	Effective dose in mg/l	Species
Ethanol	64-17-5	Acute (short-term) fish toxicity	48 hour	LC50	8140	Leuciscus idus (golden orfe)
Butanone	78-93-3	Acute (short-term) fish toxicity	96 hour	LC50	> 2500	Pimephales promelas (fathead minnow)
Propan-2-ol	67-63-0	Acute (short-term) fish toxicity	96 hour	LC50	1400	Lepomis macrochirus (Bluegill)

Acute daphnia toxicity of components of the mixture						
Name of substance	CAS No.	Analysis/ Evaluation parameter	Duration	Parameter	Effective dose in mg/l	Species
Ethanol	64-17-5	Acute (short-term) daphnia toxicity	48 hour	EC50	9268 - 14221	Daphnia magna (Big water flea)
Ethanol	64-17-5	Acute (short-term) daphnia toxicity	72 hour	EC5	65	E. Sulcatum
Butanone	78-93-3	Acute (short-term) daphnia toxicity	48 hour	EC50	> 5000	Daphnia magna (Big water flea)
Propan-2-ol	67-63-0	Acute (short-term) daphnia toxicity	48 hour	EC50	13299	Daphnia magna (Big water flea)
Propan-2-ol	67-63-0	Acute (short-term) daphnia toxicity	72 hour	EC5	4930	E. Sulcatum

Acute algae toxicity of components of the mixture						
Name of substance	CAS No.	Analysis/ Evaluation parameter	Duration	Parameter	Effective dose in mg/l	Species
Ethanol	64-17-5	Acute (short-term) algae toxicity	8 days	EC50	1450	Microcystis aeruginosa
Ethanol	64-17-5	Acute (short-term) algae toxicity	7 days	IC5	5000	Scenedesmus quadricauda
Propan-2-ol	67-63-0	Acute (short-term) algae toxicity	72 hour	IC50	> 1000	Desmodesmus subspicatus

Acute bacterial toxicity of components of the mixture						
Name of substance	CAS No.	Analysis/ Evaluation parameter	Duration	Parameter	Effective dose in mg/l	Species
Ethanol	64-17-5	Bacterial toxicity	16 hour	EC5	6500	Pseudomonas putida
Propan-2-ol	67-63-0	-	16 hour	EC5	1050	Pseudomonas putida

Aquatic Toxicity (Chronic)

Test data are not available for the complete mixture.

12.2 Persistence and degradability

Biodegradation of components of the mixture				
Name of substance	CAS No.	Analysis/ Evaluation parameter	Duration	Degradation
Ethanol	64-17-5	Biodegradation	Not specified	94%
Ethanol BOD	64-17-5	Biodegradation	5 days	930 - 1670 mg/g
Ethanol ThOD	64-17-5	Biodegradation	Not specified	2100 mg/g
Propan-2-ol	67-63-0	Biodegradation	21 days	95%
Propan-2-ol BOD (% of ThOD)	67-63-0	Biodegradation	Not specified	5%
Propan-2-ol BOD (% of COD)	67-63-0	Biodegradation	Not specified	96%

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

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12.5 Results of PBT and vPvB assessment

No data available

12.6 Other harmful effects

No data available

12.7 Additional ecotoxicological information

Toxic effect on fishes and micro-organismes.

SECTION 13: Disposal considerations

13.1 Waste treatment method

Take this material and its container to a hazardous or special waste collection point.

Information on waste management relevant to sewage

Do not empty into drains.

Waste treatment of containers/packaging

This is a hazardous waste; only approved packaging (e.g. according to ADR) may be used. Contaminated packaging must be treated in the same way as the substance.

Remarks

Please consider the relevant national or regional provisions.

SECTION 14: Transport information

14.1 UN-number	1987
14.2 UN proper shipping name	
Transport by land (ADR/RID)	Ethanol, solution
Transport by sea (IDMG)	Ethanol, solution
Transport by air (ICAO-TI/ IATA-DGR)	Ethanol, solution
14.3 Transport hazard class(es)	Class 3
14.4 Packing group	II
14.5 Environmental hazards	Not dangerous for environment according to the dangerous goods regulations
14.6 Special precautions for user	None

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No data available.

14.8 Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

UN-number	1987
Proper shipping name	UN1987, ETHANOL, 3, II, (D/E)
Class	3
Classification code	F1
Packaging group	II
Danger label(s)	3



Excepted quantities (EQ)	E2
Limited quantities (LQ)	1L
Transport category (TC)	2
Tunnel restriction code (TRC)	D/E
Hazard identification No	33

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International Maritime Dangerous Goods Code (IMDG)

UN-number	1987
Proper shipping name	UN1987, ETHANOL, 3, II, SOLUTION
Class	3
Packaging group	II
Danger label(s)	3



Excepted quantities (EQ)	E2
Limited quantities (LQ)	1L
EmS	F-E, S-D
Stowage category	B

International Civil Aviation Organization (ICAO-TI / IATA-DGR)

UN-nummer	1987
Proper shipping name	UN1987, ETHANOL, 3, II, SOLUTION
Class	3
Packaging group	II
Danger label(s)	3



Excepted quantities (EQ)	E2
Limited quantities (LQ)	1L

SECTION 15: Regulatory information

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

Relevant regulations of the European Union (EU)

Water hazard class (WGK)

- Class: 1 (Non-hazardous to water) Classification according to AwSV
- Percentage of carcinogenic substances WGK 3: 0 %
- Percentage of carcinogenic substances WGK 2: 0 %
- Percentage of carcinogenic substances: 0 %
- Percentage of substances WGK 3: 0 %
- Percentage of substances WGK 3 with M-Factor: 0 %
- Percentage of substances WGK 3 (nwg): 0 %
- Percentage of substances WGK 2: 0 %
- Percentage of substances WGK 2 with M-Factor: 0 %
- Percentage of substances WGK 1: + 59,39019 %
- Percentage of substances non-hazardous to water (nwg): 40,592 %
- Percentage of substances unidentified: 0 %
- Percentage of substances unidentified (nwg): 0 %
- Percentage of floating liquids: 0 %

15.2 Chemical safety assessment

No data available.

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SECTION 16: Other information

16.1 Indication of changes

- 02. Classification of the substance or mixture.
- 02. Labelling elements.
- 02. Labelling according Regulation (EC) No.1272/2008 [CLP].
- 02. Special regulations for additional labelling elements for certain mixtures.
- 03. Dangerous ingredients.
- 14. Proper shipping name according to the UN Model Regulations - Land transport (ADR/RID).
- 14. Proper shipping name according to the UN Model Regulations - Transport in open sea (IMDG).
- 14. Proper shipping name according to the UN Model Regulations - Air Transport (ICAO-TI / IATA-DGR).
- 14. Transport hazard class(es) - Land transport (ADR/RID).
- 14. Transport hazard class(es) - Sea transport (IMDG).
- 14. Transport hazard class(es) - Air Transport (ICAO-TI / IATA-DGR).

16.2 Abbreviations and acronyms

ADN	Accord européen relatif au transport international des marchandises Dangereuses par voies de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways).
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).
CLP	Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures.
DGR	Dangerous Goods Regulations (see IATA/DGR).
DNEL	Derived No-Effect Level.
EC No.	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union).
EH40/2005	Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/).
EINECS	European Inventory of Existing Commercial Chemical Substances.
ELINCS	European List of Notified Chemical Substances.
EmS	Emergency Schedule.
Eye Dam.	Seriously damaging to the eye.
Eye Irrit.	Irritant to the eye.
Flam. Liq.	Flammable liquid.
GHS	Globally Harmonized System of Classification and Labelling of Chemicals developed by the United Nations.
IATA	International Air Transport Association.
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA).
ICAO	International Civil Aviation Organization.
IMDG	International Maritime Dangerous Goods Code.
Index No.	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
log KOW	n-Octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbreviation of "Marine Pollutant")
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
STEL	Short-term exposure limit
STOT SE	Specific Target Organ Toxicity- Single Exposure
ThZV	Theoretical oxygen demand
TWA	Time-Weighted Average
vPvB	Very Persistent and Very Bioaccumulative

Key literature references and sources for data

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
- Regulation (EC) No 1907/2006 (REACH), amended by 2015/830/EU.
- Transport of dangerous goods by road, rail and inland waterways (ADR/ RID/ ADN).
- International Maritime Dangerous Goods Code (IMDG).
- Dangerous Goods Regulations (DGR) for air transport (IATA).

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Classification procedure

- Physical and chemical properties.
- Health hazards.
- Environmental hazards.
- The method of classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant R-, H- and EUH-phrases (code and full text as referred to in sections 2 and 3)

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
11	Highly flammable.
36	Irritating to eyes.

DISCLAIMER OF LIABILITY.

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