

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 19.12.2024

Version number 2 (replaces version 1)

Revision: 19.12.2024

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

1.1 Product identifier

Trade name: **Akenova CLEAR 300**
Crystal Clear CC 2200

Article number: 10328
 UFI: N85E-U0SP-Q00G-6WAW

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

No further relevant information available.

Application of the substance / the mixture

Adhesives

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH
 Lechstrasse 28
 D 90451 Nürnberg
 Tel. +49(0)911-642960
 Fax. +49(0)911-644456
 e-mail info@akemi.de

Further information obtainable from:

Laboratory

1.4 Emergency telephone number:

Product Safety Department AKEMI chemisch technische Spezialfabrik GmbH
 Tel. +49(0)911-64296-59
 Reachable during the following office hours:
 Monday – Thursday from 07:30 a.m. to 16:30 p.m.
 Friday from 07:30 a.m. to 13:30 p.m.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1 H318 Causes serious eye damage.
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
 Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS05 GHS07

Signal word

Danger

Hazard-determining components of labelling:

3-(trimethoxysilyl)propylamine
 trimethoxyvinylsilane
 1-butyl-2,2-dimethoxy-1,2-azasilolidine

Hazard statements

H318 Causes serious eye damage.
 H317 May cause an allergic skin reaction.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read carefully and follow all instructions.
 P261 Avoid breathing vapours.
 P273 Avoid release to the environment.
 P280 Wear protective gloves / eye protection.

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P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

For information on endocrine disrupting properties see section 11.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture: consisting of the following components.

Dangerous components:

CAS: 2768-02-7 EINECS: 220-449-8 Index number: 014-049-00-0 Reg.nr.: 01-2119513215-52-0003	trimethoxyvinylsilane Flam. Liq. 3, H226 Acute Tox. 4, H332; Skin Sens. 1B, H317	1-5%
CAS: 13822-56-5 EINECS: 237-511-5 Reg.nr.: 01-2119510159-45	3-(trimethoxysilyl)propylamine Eye Dam. 1, H318 Skin Irrit. 2, H315	1-5%
CAS: 618914-44-6	1-butyl-2,2-dimethoxy-1,2-azasilolidine Flam. Liq. 3, H226 Eye Dam. 1, H318 Skin Irrit. 2, H315; STOT SE 3, H335	1-5%
CAS: 78-10-4 EINECS: 201-083-8 Index number: 014-005-00-0 Reg.nr.: 01-2119496195-28	tetraethyl silicate Flam. Liq. 3, H226 Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	1-5%
CAS: 63843-89-0 EINECS: 264-513-3 Reg.nr.: 01-2119978231-37-0002	Tinuvin STOT RE 1, H372 Aquatic Chronic 1, H410 (M=10) Acute Tox. 4, H302	<1%

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Rinse with warm water.

After eye contact: If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

· **5.3 Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.
Use respiratory protective device against the effects of fumes/dust/aerosol.

· **6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Do not flush with water or aqueous cleansing agents
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

No special precautions are necessary if used correctly.
Ensure good ventilation/exhaustion at the workplace.

· **Information about fire - and explosion protection:**

Fumes can combine with air to form an explosive mixture.
Keep ignition sources away - Do not smoke.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Prevent any seepage into the ground.

· **Information about storage in one common storage facility:**

Not required.

· **Further information about storage conditions:**

Protect from frost.
Protect from humidity and water.
Store in cool, dry conditions in well sealed receptacles.

· **Storage class:**

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· **7.3 Specific end use(s)**

No further relevant information available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

2768-02-7 trimethoxyvinylsilane

TLV-ACGIH	Short-term value: 328 mg/m ³ , 250 ppm
	Long-term value: 262 mg/m ³ , 200 ppm

13822-56-5 3-(trimethoxysilyl)propylamine

OEL	Long-term value: 266 mg/m ³ , 200 ppm
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78-10-4 tetraethyl silicate

IOELV	Long-term value: 44 mg/m ³ , 5 ppm
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DNELs

2768-02-7 trimethoxyvinylsilane

Oral	DNEL (Langzeit-wiederholt)	0.3 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	0.2 mg/kg bw/day (ARB)
		0.1 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	3.9 mg/kg bw/day (ARB)
		7.8 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	4.9 mg/m ³ Air (ARB)
		93.4 mg/m ³ Air (BEV)
	DNEL (Langzeit-wiederholt)	27.6 mg/m ³ Air (ARB)
		6.7-18.9 mg/m ³ Air (BEV)

13822-56-5 3-(trimethoxysilyl)propylamine

Oral	DNEL (Langzeit-wiederholt)	5 mg/kg bw/day (BEV)
Dermal	DNEL (Kurzzeit-akut)	8.3 mg/kg bw/day (ARB)
		5 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	1 mg/kg bw/day (ARB)
		0.5 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	58 mg/m ³ Air (ARB)
		17.4 mg/m ³ Air (BEV)
	DNEL (Langzeit-wiederholt)	7.1 mg/m ³ Air (ARB)
		1.7 mg/m ³ Air (BEV)

78-10-4 tetraethyl silicate

Dermal	DNEL (Kurzzeit-akut)	56 mg/kg bw/day (ARB)
		3 mg/kg bw/day (BEV)
	DNEL (Langzeit-wiederholt)	56 mg/kg bw/day (ARB)
		3 mg/kg bw/day (BEV)
Inhalative	DNEL (Kurzzeit-akut)	85 mg/m ³ Air (ARB)
		14 mg/m ³ Air (BEV)
	DNEL (Langzeit-wiederholt)	85 mg/m ³ Air (ARB)
		14 mg/m ³ Air (BEV)

63843-89-0 Tinuvin

Oral	DNEL (Langzeit-wiederholt)	0.003 mg/kg bw/day (BEV)
Dermal	DNEL (Langzeit-wiederholt)	0.07 mg/kg bw/day (ARB)

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Inhalative	DNEL (Langzeit-wiederholt)	0.033 mg/kg bw/day (BEV) 0.05 mg/m ³ Air (ARB) 0.01 mg/m ³ Air (BEV)
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· PNECs

2768-02-7 trimethoxyvinylsilane

PNEC (wässrig)	6.6 mg/l (KA) 0.036 mg/l (MW) 0.36 mg/l (SW) 2.4 mg/l (WAS)
PNEC (fest)	0.06 mg/kg Trockengew (BO) 0.15 mg/kg Trockengew (MWS) 1.5 mg/kg Trockengew (SWS)

13822-56-5 3-(trimethoxysilyl)propylamine

PNEC (wässrig)	0.81 mg/l (KA) 0.05 mg/l (MW) 0.5 mg/l (SW)
PNEC (fest)	0.04 mg/kg Trockengew (BO) 0.18 mg/kg Trockengew (MWS) 12.8 mg/kg Trockengew (SWS)

78-10-4 tetraethyl silicate

PNEC (wässrig)	4,000 mg/l (KA) 0.0192 mg/l (MW) 0.192 mg/l (SW) 10 mg/l (WAS)
PNEC (fest)	0.05 mg/kg Trockengew (BO) 0.018-0.083 mg/kg Trockengew (MWS) 0.18-0.83 mg/kg Trockengew (SWS)

63843-89-0 Tinuvin

PNEC (wässrig)	1 mg/l (KA) 0 mg/l (MW) 0 mg/l (SW) 0.61 mg/l (WAS)
PNEC (fest)	1 mg/kg Trockengew (BO) 50.44 mg/kg Trockengew (MWS) 504.4 mg/kg Trockengew (SWS)

· Additional information: The lists valid during the making were used as basis.

· **8.2 Exposure controls**

- Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Wash hands before breaks and at the end of work.

- Respiratory protection:

Not required.

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| <ul style="list-style-type: none"> · <u>Hand protection</u> · <u>Material of gloves</u> · <u>Penetration time of glove material</u> · <u>For the permanent contact gloves made of the following materials are suitable:</u> · <u>As protection from splashes gloves made of the following materials are suitable:</u> · <u>Not suitable are gloves made of the following materials:</u> · <u>Eye/face protection</u> · <u>Body protection:</u> | <p>The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.</p> <p>The protection gloves to be used have to comply with the specifications of the directive 89/686/EC and the directive derived decree EN374, respectively, e.g. the above listed protection glove type. The mentioned permeation times' data were generated and verified with material samples of the recommended protection glove type in the scope of laboratory analyses of the company KCL GmbH in compliance with EN374.</p> <p>This recommendation refers exclusively to the material safety data sheet referenced product delivered by Akemi and the indicated field of application. In case of product dilution or in case of mixture with different substances or chemicals, and in condition of EN374 deviation the producer of CE-approved protection gloves must be contacted for detailed information (e.g., KCL GmbH, Germany, 36124 Eichenzell, internet: http://www.kcl.de).</p> <p>Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.</p> <p>Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation</p> <p>The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p> <p>The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.</p> <p>Butyl rubber, BR</p> <p>Butoject (KCL, Art_No. 897, 898)</p> <p>Butyl rubber, BR</p> <p>Leather gloves</p> <p>Strong material gloves</p> <p>Rubber gloves</p> <p>Goggles recommended during refilling</p> <p>Protective work clothing</p> |
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|--|--|
| <ul style="list-style-type: none"> · <u>General Information</u> · <u>Physical state</u> · <u>Colour:</u> · <u>Odour:</u> · <u>Odour threshold:</u> · <u>Melting point/freezing point:</u> · <u>Boiling point or initial boiling point and boiling range</u> · <u>Flammability</u> · <u>Lower and upper explosion limit</u> · <u>Lower:</u> · <u>Upper:</u> · <u>Flash point:</u> | <p>Liquid</p> <p>According to product specification</p> <p>Nearly odourless</p> <p>Not determined.</p> <p>Undetermined.</p> <p>Undetermined.</p> <p>Not applicable.</p> <p>Not determined.</p> <p>Not determined.</p> <p>Not applicable.</p> |
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· <u>Decomposition temperature:</u>	Not determined.
· <u>pH</u>	Not determined.
· <u>Viscosity:</u>	
· <u>Kinematic viscosity</u>	Not determined.
· <u>Dynamic:</u>	Not determined.
· <u>Solubility</u>	
· <u>water:</u>	Not miscible or difficult to mix.
· <u>Partition coefficient n-octanol/water (log value)</u>	Not determined.
· <u>Vapour pressure:</u>	Not determined.
· <u>Density and/or relative density</u>	
· <u>Density at 20 °C:</u>	1.08 g/cm ³
· <u>Relative density</u>	Not determined.
· <u>Vapour density</u>	Not determined.
· 9.2 Other information	
· <u>Appearance:</u>	
· <u>Form:</u>	Pasty
· <u>Important information on protection of health and environment, and on safety.</u>	
· <u>Ignition temperature:</u>	Product is not selfigniting.
· <u>Explosive properties:</u>	Product does not present an explosion hazard.
· <u>Solvent content:</u>	
· <u>Organic solvents:</u>	0.0 %
· <u>Solids content:</u>	13.2 %
· <u>Change in condition</u>	
· <u>Evaporation rate</u>	Not determined.

· <u>Information with regard to physical hazard classes</u>	
· <u>Explosives</u>	Void
· <u>Flammable gases</u>	Void
· <u>Aerosols</u>	Void
· <u>Oxidising gases</u>	Void
· <u>Gases under pressure</u>	Void
· <u>Flammable liquids</u>	Void
· <u>Flammable solids</u>	Void
· <u>Self-reactive substances and mixtures</u>	Void
· <u>Pyrophoric liquids</u>	Void
· <u>Pyrophoric solids</u>	Void
· <u>Self-heating substances and mixtures</u>	Void
· <u>Substances and mixtures, which emit flammable gases in contact with water</u>	Void
· <u>Oxidising liquids</u>	Void
· <u>Oxidising solids</u>	Void
· <u>Organic peroxides</u>	Void
· <u>Corrosive to metals</u>	Void
· <u>Desensitised explosives</u>	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
· 10.2 Chemical stability	
· <u>Thermal decomposition / conditions to be avoided:</u>	No decomposition if used according to specifications.
· 10.3 Possibility of hazardous reactions	No dangerous reactions known.
· 10.4 Conditions to avoid	No further relevant information available.

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· **10.5 Incompatible materials:** No further relevant information available.

SECTION 11: Toxicological information

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

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

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Inhalative	LC50/4 h	381-450 mg/l (rat)
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2768-02-7 trimethoxyvinylsilane

Oral	LD50	6,899-7,120 mg/kg (rat) (OECD 401)
	NOAEL-Werte	250 mg/kg (rat) (OECD422)
Dermal	LD50	3,158-3,760 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4h	16.8 mg/m3 (rat) (OECD 403)
	LC50/4 h	16.8 mg/l (rat)
	NOAEC	0.058-1.7 mg/l (rat) (EPA OTS)

13822-56-5 3-(trimethoxysilyl)propylamine

Oral	LD50	2,970 mg/kg (rat)
Dermal	LD50	11,300 mg/kg (rabbit)
	LD50	>10,000 mg/kg (rabbit)

78-10-4 tetraethyl silicate

Oral	LD50	>2,500 mg/kg (rat)
	NOAEL	10 mg/kg (rat)
Inhalative	LC50/4 h	10-16.8 mg/l (rat)

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Oral	LD50	1,490 mg/kg (rat) (OECD 401)
Dermal	LD50	>3,170 mg/kg (rat) (OECD 402)
Inhalative	LC50/4 h	mg/l (rat) (OECD 403)

· Primary irritant effect:

· Skin corrosion/irritation

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

· Serious eye damage/irritation

Causes serious eye damage.

· Respiratory or skin sensitisation

May cause an allergic skin reaction.

· Germ cell mutagenicity

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

· Carcinogenicity

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

· Reproductive toxicity

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

· STOT-single exposure

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

· STOT-repeated exposure

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

· Aspiration hazard

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

· **11.2 Information on other hazards**

· Endocrine disrupting properties

None of the ingredients is listed.

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SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

2768-02-7 trimethoxyvinylsilane

IC50/72h	210 mg/l (selenastrum capricornutum)
EC50/48h	169 mg/l (daphnia magna) (OECD 202)
EC10/5h	1,000 mg/l (pseudomonas putida)
ErC50/72h	>957 mg/l (Desmodesmus subspicatus) (OECD 201)
	>89 mg/l (Pseudokirchneriella subcapitata)
EC50/8d	210 mg/l (Pseudokirchneriella subcapitata)
NOEC	28 mg/kg (daphnia magna) (OECD 211)
	25 mg/kg (Selenastrum capricornutum)
NOELR/72h	>957 mg/l (Desmodesmus subspicatus) (=ECD 201)
	≥89 mg/l (Pseudokirchneriella subcapitata)
NOEC/21d	28.1 mg/l (daphnia magna) (OECD 211)
EC10	1,000 mg/l (pseudomonas putida)
	32 mg/l (selenastrum capricornutum)
LC50/96h	>100 mg/l (Danio rerio.) (OECD 203)
	191 mg/l (Oncorhynchus mykiss) (OECD 203)

13822-56-5 3-(trimethoxysilyl)propylamine

EC50/48h	331 mg/l (daphnia magna)
EC50/72h	>1,000 mg/l (Desmodesmus subspicatus)
LC50/96h	>934 mg/l (Danio rerio.)

78-10-4 tetraethyl silicate

EC50	>100 mg/l (Klärschlamm: Atmungs-/Vermehrungshemmung)
EC50/48h	>75 mg/l (daphnia magna)
EC50/72h	>100 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	>245 mg/l (Danio rerio.)

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IC50	>100 mg/l (bacteria) (OECD 209)
NOELR/72h	<1.23 mg/l (Desmodesmus subspicatus)
NOEC/21d	0.002 mg/l (daphnia magna)
EC50/72h	61 mg/l (Desmodesmus subspicatus) (Directive 88/302/EEC)
LC50/96h	>100 mg/l (Danio rerio.) (OECD 203)

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Remark:

Harmful to fish

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· <u>Additional ecological information:</u>	
· <u>General notes:</u>	Harmful to aquatic organisms Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
SECTION 13: Disposal considerations	
· 13.1 Waste treatment methods	
· <u>Recommendation</u>	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
· <u>Uncleaned packaging:</u>	
· <u>Recommendation:</u>	Disposal must be made according to official regulations.
SECTION 14: Transport information	
· 14.1 UN number or ID number	
· <u>ADR, ADN, IMDG, IATA</u>	Void
· 14.2 UN proper shipping name	
· <u>ADR, ADN, IMDG, IATA</u>	Void
· 14.3 Transport hazard class(es)	
· <u>ADR, ADN, IMDG, IATA</u>	
· <u>Class</u>	Void
· 14.4 Packing group	
· <u>ADR, IMDG, IATA</u>	Void
· 14.5 Environmental hazards:	
· <u>Marine pollutant:</u>	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· <u>Transport/Additional information:</u>	Not dangerous according to the above specifications.
· <u>UN "Model Regulation":</u>	Void
SECTION 15: Regulatory information	
· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
· <u>Directive 2012/18/EU</u>	
· <u>Named dangerous substances - ANNEX I</u>	None of the ingredients is listed.
· <u>REGULATION (EC) No 1907/2006 ANNEX XVII</u>	Conditions of restriction: 3
· <u>DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II</u>	
None of the ingredients is listed.	
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· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

· Information about limitation of use: Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.

· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· VOC EU 0.3 g/l

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· Department issuing SDS: Laboratory

· Date of previous version: 10.05.2023

· Version number of previous version: 1

· Abbreviations and acronyms:
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B

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Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 19.12.2024

Version number 2 (replaces version 1)

Revision: 19.12.2024

Trade name: Akenova CLEAR 300
Crystal Clear CC 2200

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STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

EU