

Coralscaper / Plantscaper superglue

Version number: GHS 1.1

Creation date: 11/03/2021

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

1.1 Product identifier

Trade name **Coralscaper -/ Plantscaper Superglue**
Other designations **UFI-CODE: A300-P0FS-Q002-GD7Y**
 Product number **CSCA10, CSCA50, CSCAL50, PSCA10, PSCA50, PSCAL50, PSCAUL50**

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

Relevant identified uses **Adhesive for decorative materials in aquariums**
Use by consumers (private households)

1.3 Details of the supplier of the safety data sheet

ARKA Biotechnologie GmbH
 Mühlbach 53-55
 90552 Röthenbach
 Germany

Phone: +49 (0)911 5698610 00

Fax: +49 (0)911 5698610 29

Email (competent person)

info@arka-biotech.de

1.4 Emergency telephone number

Emergency information service

Munich Poison Control Center
 Available by phone around the clock / 7 days
 Phone: +49 (0)89 192 40

SECTION 2: Hazards identification

2.1 Hazards identification

Classification in accordance with Regulation (EC) No. 1272/2008 (CLP)

Section	Hazard class	Category	Hazard class and category	Hazard warning
3.2	Corrosive/irritant effect on the skin	Cat. 2	(Skin Irrit. 2)	H315
3.3	Serious eye damage/eye irritation	Cat. 2	(Eye Irrit. 2)	H319
3.8R	Specific target organ toxicity - single exposure (respiratory tract irritation)	Cat. 3	(STOT SE 3)	H335

Notes

Full text of H-phrases in SECTION 16.

2.2 Label elements

Labeling in accordance with Regulation (EC) No. 1272/2008 (CLP)

Signal word

Attention

Pictograms

GHS07



Hazard statements

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

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Precautionary statements

General precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.

Prevention precautionary statements

- P260 Do not breathe vapors.
 P262 Do not get in eyes, on skin, or on clothing.

Response precautionary statements

- P301+P310 IF SWALLOWED: Immediately call a doctor/physician.
 P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Disposal precautionary statements

- P501 Dispose of contents/container to local/regional/national/international regulations.

Additional label requirements

- EUH202 Cyanoacrylate. Danger. Bonds skin and eyes in seconds.
 Keep out of reach of children.

Hazardous ingredients to be labeled: Ethyl-2-cyanoacrylate

2.3 Other hazards

This material is flammable but not easily ignited. May cause allergic reactions in particularly sensitive persons on repeated contact.
 May attack plastics, rubbers, and coatings.

SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)

3.2 Mixtures

Description of the mixture

Substance name	Identifier	Weight %	Hazard class and category	Hazard warning	Note
Ethyl-2-cyanoacrylate	CAS no. 7085-85-0 EC no. 230-391-5 Index no. 607-236-00-9	92	3.2 Skin Irrit. 2 3.3 Eye Irrit. 2 3.8R STOT SE 3	H315 H319 H335	GHS-HC
Poly (methyl methacrylate-co-ethyl acrylate)	CAS no. 9010-88-2	8			

Note

GHS-HC: Harmonized classification (classification of the substance corresponds to the entry in the list according to 1 272/2008/EC, Annex VI)

Substance name	Identifier	Specific concentration limits
Ethyl-2-cyanoacrylate	CAS no. 7085-85-0	STOT SE 3; H335: C ≥ 10%
	EC no. 230-391-5	

Full text of the abbreviations in SECTION 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General remarks

Remove injured persons from the danger zone. Remove soiled, soaked clothing immediately. If symptoms occur or in case of doubt, seek medical advice. If unconscious, keep the patient in the recovery position and do not administer anything by mouth.

Upon inhalation

Provide fresh air. In case of irritation of the respiratory tract, consult a doctor.

Upon contact with the skin

Wash gently with plenty of soap and water. If skin irritation or allergic reactions occur, consult a doctor.

Upon contact with the eyes

Remove contact lenses if present and easy to do. Continue rinsing. Rinse with a large amount of water for at least 15 minutes immediately, also under the eyelids. Seek medical advice immediately and show this safety data sheet.

Upon ingestion by swallowing

Rinse mouth immediately and drink plenty of water. DO NOT induce vomiting. Seek medical advice immediately and show this safety data sheet.

4.2 Most important symptoms and effects, both acute and delayed

No symptoms and effects known to date.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment. In case of irritation of the lung, initial treatment with Dexamethasone metered dose inhaler is recommended. Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of reach of children.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, BC powder, carbon dioxide (CO₂), alcohol-resistant foam, foam

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

Fire gases from organic and non-organic materials are generally classified as respiratory toxins.

Hazardous combustion products

Nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂)

5.3 Advice for firefighters

Do not inhale any explosion and fire gases. Adapt extinguishing measures to the surroundings. Do not allow any extinguishing water to enter sewers and bodies of water. Collect contaminated extinguishing water separately. Fight the fire with the usual precautions from an appropriate distance. Wear self-contained breathing apparatus and protective clothing to avoid any contact with skin and eyes.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Staff not trained for emergencies

Take people to safety. Ensure adequate ventilation.

Emergency services

Breathing apparatus must be worn when exposed to vapors, dusts, aerosols, and gases.

6.2 Environmental precautions

Prevent the product from entering the sewage system or surface and ground water. Retain and dispose of contaminated wash water.

6.3 Methods and material for containment and cleaning up

Instructions on how to prevent spilled materials from spreading

Covering the sewers.

Instructions on how to clean in the event of spillage

Never pick up using absorbent material or rags. Rinse with water to accelerate polymerization. Solids must be disposed of as normal waste.

Further information on spillage and release

Dispose in suitable containers. Ventilate the affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8.

Incompatible materials: see section 10. Disposal information: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

• **Measures to prevent fires and formation of aerosols and dust**

Use of local and general ventilation. Use only in well-ventilated areas. Do not inhale spray mist.

Advice on general hygiene in the workplace

Wash hands after use. Do not eat, drink, or smoke in areas where work is underway. Remove any contaminated clothing and protective equipment before entering areas where food is served. Do not store any food and drinks together with chemicals. Do not use any containers for chemicals that are usually intended for holding food. Keep away from food, drink, and animal feed.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from sources of ignition – No smoking. Fire class: B.

Store only in the original container. Keep the container tightly closed in a well-ventilated place.

Incompatible substances or mixtures

Observe storage instructions. Do not store together with alkalis/oxidizing agents.

7.3 Specific end uses

Find a general overview in section 16.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limits

Occupational exposure limits (occupational exposure limits)

No information available.

Relevant DNEL/DMEL/PNEC and other thresholds

No data available.

8.2 Exposure controls

Suitable technical control equipment

Ensure good ventilation and extraction at the workplace.

Individual protective measures (personal protective equipment)

Eye/face protection

Safety goggles in accordance with DIN EN 166.

Skin protection

• Hand protection

Wear suitable protective gloves. Chemical protective gloves tested in accordance with EN 374 are suitable.

Check for leaks/impermeability before use. Clean any gloves to be reused before taking them off and air them thoroughly afterwards. It is recommended to determine the chemical resistance of the above protective gloves for special applications with the glove manufacturer.

• Other protective measures

Wear protective clothing. Avoid contact with eyes and skin. Do not eat, drink, or smoke at work. Wash hands before breaks and at the end of work. Preventive skin protection (protective creams/ointments) is recommended.

Respiratory protection

Wear respiratory protection in case of insufficient ventilation. Filter device (EN 147). Type: B (against inorganic gases and vapors, color code: gray).

Limiting and monitoring environmental exposure

Use suitable containers to avoid contamination of the environment. Prevent the product from entering the sewage system or surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Appearance

Aggregate state	viscous (thick)
Color	colorless – transparent
Odor	characteristic – pungent

Other physical and chemical parameters

pH value	not determined
Melting point/freezing point	not determined
Boiling start and boiling range	>160 °C
Flash point	>78 °C
Evaporation rate	not determined
Flammability (solid, gaseous)	not relevant (liquid)
Explosion limits	not determined
Vapor pressure	not determined
Density	1.25 g/ml
Relative density	>1 (air = 1)

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Solubility (solubilities)	
Water solubility	reacts with water
Partition coefficient	
n-octanol/water (log KOW)	no information available
Auto-ignition temperature	not determined
Decomposition temperature	480 °C
Viscosity	
• dynamic viscosity	60 mPa s
Explosive properties	none
Oxidizing properties	none

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Reactions with oxidizing agents, water, alkalis (lyes), and with amines.

- **when heated**
exothermic polymerization
- **when exposed to light**
exothermic polymerization

10.2 Chemical stability

The material is stable under normal ambient conditions and under the temperature and pressure conditions to be expected during storage and handling.

10.3 Possibility of hazardous reactions

Hazardous/dangerous reactions with: Peroxide accelerators, radical-forming initiators

10.4 Conditions to avoid

Protect from heat and direct sunlight. Protect from frost.

10.5 Incompatible materials

Oxidizing agent - reducing agent

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products formed during use, storage, spillage, and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

No test data is available for the complete mixture.

Classification procedure

The procedure for classifying the mixture is based on the mixture components (additivity formula).

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

Acute toxicity

Is not to be classified as acutely toxic.

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Corrosive/irritant effect on the skin

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Sensitization of the respiratory tract or skin

Is not to be classified as an inhalation or skin allergen.

Summary of the assessment of CMR properties

Is not classified as germ cell mutagenic carcinogenic or toxic for reproduction.

Specific target organ toxicity (STOT)

- **Specific target organ toxicity at single exposure**

May cause respiratory irritation.

- **Specific target organ toxicity at repeated exposure**

Not to be classified as specific target organ toxicant (repeated exposure).

Aspiration hazard

Not to be classified as an aspiration hazard.

Other information

Experiences from practice: May cause sensitization by inhalation. Irritating to the mucous membranes.

SECTION 12: Ecological information

12.1 Toxicity

in accordance with 1272/2008/EC: Not to be classified as hazardous to the aquatic environment.
Water hazard class (WGK; Germany): 1 (slightly hazardous to water)

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

The product has no potential for biological accumulation.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Information relevant for disposal via wastewater

Do not allow to enter drains. Avoid release into the environment. Obtain special instructions/consult safety data sheet.

Waste treatment of containers/packaging

Hazardous waste; only approved packaging (e.g., in accordance with ADR) must be used.
Completely emptied packaging can be recycled. Contaminated packaging must be treated in the same way as the substance.

Relevant legislation on waste

Waste code (EU)

08 04 09x: Adhesive and sealant waste that contains organic solvents or other hazardous substances.
The waste code number should be determined in consultation with the consumer, the producer and the disposal company.

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Notes

Please observe the relevant national or regional regulations. Waste must be separated to permit separate treatment by the municipal or national waste disposal facilities.

SECTION 14: Transport information

14.1 UN number	No dangerous goods as defined by national and international transport regulations (not subject to transport regulations)
14.2 UN proper shipping name	Not relevant
14.3 Transport hazard classes Class	-
14.4 Packing group	Not relevant
14.5 Environmental hazards	None (not hazardous to the environment in accordance with the dangerous goods regulations)
14.6 Special precautions for the user	No additional information is available.
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	The freight is not transported in bulk.

SECTION 15: Regulatory information

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

- Limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes (2004/42/EC, Decopaint Directive)

VOC content 2%

- Industrial Emissions Directive (VOCs, 2010/75/EU)

VOC content 2%

National regulations (Austria)

- Ordinance on flammable liquids (*Verordnung über brennbare Flüssigkeiten; VbF*)

VbF (group and hazard class): AIII (flammable liquids of group A, hazard class III)

National regulations (Germany)

- Ordinance on Installations for Handling Substances Hazardous to Water (*Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen; AwSV*)

Water hazard class (WG K): 1 (slightly hazardous to water) – Classification according to Annex 1 (AwSV)

- Technical Instructions on Air Quality Control (Germany)

Number	Substance group	Class	Conc.	Mass flow	Mass concentration	Note
5.2.5	organic substances		≥ 2% by weight = 20 g/L	0.5 kg/h	50 mg/m ³	3)

Note

3) The mass flow rate of 0.50 kg/h or the mass concentration of 50 mg/m³ must not be exceeded in total, in each case specified as total carbon (except for dusty organic substances)

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- **Storage of hazardous substances in portable containers (TRGS 510) (Germany)**

Storage class (LGK): 10 (flammable liquids)

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture have not been performed.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of the abbreviations used
ADR	<i>Accord européen relatif au transport international des marchandises dangereuses par route</i> (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (database of chemical compounds and their unique key, the CAS Registry Number)
CLP	Regulation (EC) No. 1 272/2008 on classification, labeling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
DMEL	Derived minimal effect level
DNEL	Derived No-Effect Level
EC no.	The EC Inventory (EINECS, ELINCS, and the NLP Inventory) is the source for the seven-digit EC number as an identification number for substances in the EU (European Union)
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
GHS	The "Globally Harmonized System of Classification and Labeling of Chemicals" developed by the United Nations
Index no.	The index number is the identification code given in Part 3 of Annex VI to Regulation (EC) No 1 272/2008
LGK	Storage class (<i>Lagerklasse</i>) in accordance with TRGS 510, Germany
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
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
Skin Corr.	Skin corrosive
Skin Irrit.	Skin irritant
STOTSE	Specific target organ toxicity (single exposure)
TRGS	<i>Technische Regeln für Gefahrstoffe</i> (Technical Rules for Hazardous Substances) (Germany)
VbF	<i>Verordnung über brennbare Flüssigkeiten</i> (Ordinance on flammable liquids) (Austria)
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

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Important literature and data sources

- Regulation (EC) No. 1 907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1 272/2008 (CLP, EU-GHS)

Classification procedure

Physical and chemical properties: The classification is based on test results of the mixture.

Health hazards/environmental hazards: The procedure for classifying the mixture is based on the mixture components (additivity formula).

List of relevant phrases (code and wording as indicated in chapters 2 and 3)

Code	Text
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation

Disclaimer

This information is based on our current state of knowledge. This SDS has been compiled exclusively for this product. It is intended solely for this product.