

Safety Data Sheet

according to UK REACH Regulation

Brush Glue

Revision date: 18.02.2022

Product code: 5525

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

1.1. Product identifier

Brush Glue

Further trade names

43433

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

Use of the substance/mixture

Cyanoacrylate containing adhesive.

1.3. Details of the supplier of the safety data sheet

Company name:	Wilde Cosmetics GmbH	
Street:	Rheingastr. 19a	
Place:	D-65375 Oestrich-Winkel	
Post-office box:	1220	
	D-65368 Oestrich-Winkel	
Telephone:	+49-6723-6020-0	Telefax: +49-6723-6020-15
e-mail:	beate.kerntopf@wilde-group.com	
Contact person:	Dr. Beate Kerntopf	Telephone: -752

1.4. Emergency telephone number:

+49-6723-6020-0 This telephone number is available during office hours only.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

ethyl 2-cyanoacrylate

Signal word: Warning

Pictograms:



Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash Wash hands after handling. thoroughly after handling.

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P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to Offer surplus and non-recyclable solutions to a licensed disposal company..

Special labelling of certain mixtures

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

2.3. Other hazards

No hazardous reaction when handled and stored according to provisions.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Cyanoacrylate containing adhesive.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
7085-85-0	ethyl 2-cyanoacrylate			95 - <= 100 %
	230-391-5	607-236-00-9		
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335			
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol			< 0.1 %
	204-617-8	604-005-00-4		
	Carc. 2, Muta. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H351 H341 H302 H318 H317 H400			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
7085-85-0	230-391-5	ethyl 2-cyanoacrylate	95 - <= 100 %
	dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg STOT SE 3; H335: >= 10 - 100		
123-31-9	204-617-8	1,4-dihydroxybenzene; hydroquinone; quinol	< 0.1 %
	dermal: LD50 = 2000 mg/kg; oral: LD50 = 367 mg/kg M acute; H400: M=10		

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Evacuate personnel to safe areas.

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Consult a physician if necessary. Show this safety data sheet to the doctor in attendance.
If unconscious place in recovery position and seek medical advice.

After inhalation

Take the victim into fresh air. If symptoms persist, call a physician.

After contact with skin

Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water.
Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn. Burns should be treated normally after the adhesive has been removed from the skin.
Burns should be treated normally after the adhesive has been removed from the skin.
If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth.
Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action.

After contact with eyes

If the eye is bonded closed, release eyelashes with warm water by covering with wet pad.
Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive.
Keep eye covered until debonding is complete, usually within 1-3 days.
Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.

After ingestion

Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

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

Causes skin and eye irritation.: Conjunctival oedema (chemosis).
May cause respiratory irritation.: Cough, Dyspnoea

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

See chapter 4.1

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Polymerization can occur. Polymerization is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers. Heating or fire can release toxic gas. Use water spray to cool unopened containers.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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General advice

Ensure adequate ventilation. Evacuate personnel to safe areas. Use personal protective equipment. Avoid breathing vapors, mist or gas. Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up**Other information**

Do not use cloths for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous waste.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Use only with adequate ventilation. Handle and open container with care. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice. Take notice of labels and material safety data sheets for the working chemicals. Refer also to instructions for use.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Keep away from heat.

Advice on general occupational hygiene

Provide sufficient air exchange and/or exhaust in work rooms. Handle and open container with care. Keep away from food, drink and animal feedingstuffs. Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of workday. Wear suitable protective clothing, gloves and eye/face protection.

Further information on handling

Polymerisation occurs when exposed to white light, ultraviolet light or heat.

Refer also to instructions for use.

When using do not eat, drink or smoke. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Store in original container. Keep tightly closed in a dry, cool and well-ventilated place. Protect from frost, heat and sunlight. storage temperature: 2-8°C (35.6-46.4 °F).

Hints on joint storage

not required

7.3. Specific end use(s)

Cyanoacrylate containing adhesive.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
7085-85-0	Ethyl cyanoacrylate	0.3	1.5		STEL (15 min)	WEL
123-31-9	Hydroquinone	-	0.5		TWA (8 h)	WEL

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DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
7085-85-0	ethyl 2-cyanoacrylate			
Worker DNEL, long-term		inhalation	systemic	9,25 mg/m ³
Worker DNEL, acute		inhalation	systemic	9,25 mg/m ³
Worker DNEL, long-term		inhalation	local	9,25 mg/m ³
Worker DNEL, acute		inhalation	local	9,25 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	9,25 mg/m ³
Consumer DNEL, acute		inhalation	systemic	9,25 mg/m ³
Consumer DNEL, long-term		inhalation	local	9,25 mg/m ³
Consumer DNEL, acute		inhalation	local	9,25 mg/m ³
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol			
Worker DNEL, long-term		inhalation	systemic	2,1 mg/m ³
Worker DNEL, long-term		dermal	systemic	3,33 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,05 mg/m ³
Consumer DNEL, long-term		dermal	systemic	1,66 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,6 mg/kg bw/day

PNEC values

CAS No	Substance	Value
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol	
Freshwater		0,00057 mg/l
Freshwater (intermittent releases)		0,00134 mg/l
Marine water		0,000057 mg/l
Freshwater sediment		0,0049 mg/kg
Marine sediment		0,00049 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,71 mg/l
Soil		0,00064 mg/kg

8.2. Exposure controls**Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. To avoid risks to man and the environment, comply with the instructions for use.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Eye glasses with side protection (DIN EN 166)

Hand protection

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.

Break through time: >= 1 h

Glove thickness: 0,5 mm

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Replace when worn.

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Skin protection

Only wear fitting, comfortable and clean protective clothing.

Respiratory protection

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used. or Combination filtering device

Environmental exposure controls

The product should not be allowed to enter drains, water courses or the soil. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

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

Physical state:	Liquid
Colour:	colourless, clear
Odour:	characteristic

Changes in the physical state

Boiling point or initial boiling point and boiling range:	214 °C
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Flash point:	82,5 °C
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Auto-ignition temperature:	480 °C
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Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.,
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Vapour pressure: (at 20 °C)	0,21 hPa
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Density:	1,04 g/cm ³
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Can polymerise exothermically if heated, exposed to air, sunlight or by addition of free radical initiators.

10.2. Chemical stability

Keep containers tightly closed in a cool, well-ventilated place. Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Polymerization can occur.

10.4. Conditions to avoid

Exposure to light. Keep away from direct sunlight. Do not expose to temperatures above 10 °C.

10.5. Incompatible materials

Strong oxidizing agents, Strong acids and strong bases, Peroxides

10.6. Hazardous decomposition products

In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, metabolism and distribution**

No data is available on the product itself.

Acute toxicity

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7085-85-0	ethyl 2-cyanoacrylate				
	oral	LD50 >5000 mg/kg	rat		OECD 423
	dermal	LD50 >2000 mg/kg	rabbit		OECD Test Guideline 402
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol				
	oral	LD50 367 mg/kg	Rat		
	dermal	LD50 2000 mg/kg	Rat		

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

May cause respiratory irritation. (ethyl 2-cyanoacrylate)

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.

Specific effects in experiment on an animal

No data is available on the product itself.

11.2. Information on other hazards**Other information**

Health injuries are not known or expected under normal use.

SECTION 12: Ecological information**12.1. Toxicity**

No data is available on the product itself.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol					
	Acute fish toxicity	LC50 mg/l	0,638	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203
	Acute algae toxicity	ErC50 mg/l	0,33	72 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50 mg/l	0,134	48 h	Daphnia	OECD 202
	Fish toxicity	NOEC 0,1 mg/l	0,066-	32 d	Pimephales promelas (fathead minnow)	OECD 210
	Algae toxicity	NOEC mg/l	0,019	3 d	Pseudokirchneriella subcapitata	OECD 201
	Crustacea toxicity	NOEC mg/l	0,0057	21 d	Daphnia magna (Big water flea)	OECD 211

12.2. Persistence and degradability

No data is available on the product itself.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
7085-85-0	ethyl 2-cyanoacrylate			
	OECD 301A	98%	28	
	Readily biodegradable (according to OECD criteria).			
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol			
	OECD 301C	70%	14	
	Readily biodegradable.			

12.3. Bioaccumulative potential

No data is available on the product itself.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
7085-85-0	ethyl 2-cyanoacrylate	0,776
123-31-9	1,4-dihydroxybenzene; hydroquinone; quinol	0,59

12.4. Mobility in soil

No data is available on the product itself.

12.5. Results of PBT and vPvB assessment

No data is available on the product itself.

12.7. Other adverse effects

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Dispose of contents/container in accordance with local regulation.

Solidify unexposed surplus and dispose of together with processed material as cured plastic waste.

List of Wastes Code - residues/unused products

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080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Contaminated packaging

Dispose of contents/container in accordance with local regulation.

Solidify unexposed surplus and dispose of together with processed material as cured plastic waste.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

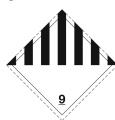
14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 3334
14.2. UN proper shipping name: AVIATION REGULATED LIQUID, N.O.S.
14.3. Transport hazard class(es): 9
14.4. Packing group: III
Hazard label: 9



Special Provisions: A27
Limited quantity Passenger: 30 kg G

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Passenger LQ:	Y964
Excepted quantity:	E1
IATA-packing instructions - Passenger:	964
IATA-max. quantity - Passenger:	450 L
IATA-packing instructions - Cargo:	964
IATA-max. quantity - Cargo:	450 L
Danger releasing substance:	ethyl 2-cyanoacrylate

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3

Additional information

Limited labelling is acceptable according to article 12, 1999/45/EC.

Other labelling like: Kosmetikverordnung

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

1 - slightly hazardous to water

SECTION 16: Other information**Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H335	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
EUH202	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)