

SAFETY DATA SHEET
BRUSH ON RESIN

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Dangerous Ingredients / Ingredients with exposure limits at the workplace

Product name: Brush on Resin
 Item code 5ml : 1210831007
 Use of substance / mixture: Cosmetic product – adhesive for the nail modellage

Details of the supplier of the safety data sheet:

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 'Only for the purpose of informing medical personnel in cases of acute intoxications'.

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification of the substance or mixture	Classification according to directive 1999/45
Signal words	Irritant.
R – Phrases	R36/37/38 - Irritating to eyes, respiratory system and skin.
S– Phrases	S23 - Do not breathe vapour. S24/25 - Avoid contact with skin and eyes. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (Recommendation: S37/39 - Wear suitable gloves and eye/face protection.)
Additional information for the labelling	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
Classification according to Regulation (EC) 1272/2008:	H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. H315 - Causes skin irritation.

2.2. Label elements

Label elements according to Regulation (EC) 1272/2008	 Warning
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2.3. Other hazards

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Substances	Not applicable.
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3.2. Mixtures

Dangerous Ingredients / Ingredients with exposure limits at the workplace

CAS - No.	Index - No.	EC - No.	Chemical name	m% - range	pictogram(e)	H - phrases
7085-85-0	607-236-00-9	230-391-5	ethyl 2-cyanoacrylate	> 80 %	GHS07	H319, H335, H315
9011-14-7	-	-	polymethylmethacrylate	1-5 %		
25013-16-5	-	246-563-8	BHA	0.1 – 1 %		
H319 – Eye Irrit. 2, H335 - STOT SE 3, H315 – Skin Irrit. 2,						

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.
Ingestion	immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard. Saliva will separate the solidified product from the mouth over a period of hours. Seek medical attention
Skin contact	Do not pull bonded skin apart. Remove contaminated clothing. Wash with soap/cleanser and rinse with plenty of water. Any bonded skin should be gently peeled apart with the aid of a blunt object, preferably after soaking in warm, soapy water. If irritation persists, obtain medical attention. In the case of large spills on skin, superficial burns may occur. Treat burns accordingly
Eye contact	Cyanoacrylates bond eyelids in seconds. Irrigate thoroughly with water for at least 15 minutes. Take care not to wash chemical from one eye to another. If the eyelid is bonded closed, do not force open. Cover with wet pad soaked in warm water. Get prompt medical attention, in case solid particles of cured cyanoacrylate trapped behind the eye cause any abrasive damage. Keep eye covered with wet pad until de-bonding is complete, usually 1-3 days. (Cyanoacrylate will bond to eye protein, causing a lachrymatory effect that aids de-bonding).

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

Most important symptoms and effects, both acute and delayed	No data available.
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4.3. Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed	Treat symptomatically. In case of lung irritation first treatment with dexametason aerosol (spray).
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SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media	Alcohol resistant foam. Dry powder. Carbon dioxide. Water spray/fog
Unsuitable extinguishing media	Do not use direct water jets

5.2. Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	Polymerisation is highly exothermic and may produce sufficient heat to cause thermal decomposition and/or rupture of the container
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5.3 .Advice for fire-fighters

Advice for firefighters	Keep container cool by spraying with water if exposed to fire. Do not breathe decomposition products and fumes. Use approved self-contained breathing apparatus. Wear fire retardant clothing. Wear eye protection. Prevent runoff from fire control from entering waterways Large fires should only be dealt with by trained personnel
Special protective equipment for firefighters	Toxic and irritant fumes are produced in fire (CO, CO2, nitrogen oxides).

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear suitable respiratory protection for large spillages and in confined spaces, e.g. EN405 FFA2 or EN140 A2. Use approved self-contained breathing apparatus. Wear Polythene, Polypropylene or Viton gloves. Use eye protection such as glasses to BS EN 166 Chemical Grade. Wear suitable protective clothing.
For non-emergency personnel	Use personal protective equipment. Ensure adequate ventilation.
For emergency responders	Use personal protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions

Environmental precautions	Do not allow spill to enter drains and watercourses
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6.3. Methods and material for containment and cleaning up

Methods and material for containment	Ventilate area. Evacuate personnel. Use barriers to prevent unauthorised entry into contaminated areas.
Methods and material for cleaning up	Absorb in inert material such as sand or absorbent granules (do not use cloths) or polymerise slowly with water (~10:1, adhesive / water), then scrape up residue. Dispose in accordance with local regulations
Inappropriate containment or clean-up techniques	None.

6.4. Reference to other sections

Reference to other sections	See section 8 and 13.
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SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Recommendations shall be specified to	Persons allergic to cyanacrylates, and particularly those suffering from asthma or other respiratory conditions, should not work with cyanacrylates. Avoid contact with skin and eyes. Keep container tightly closed in a cool, well-ventilated place. Ensure adequate ventilation, especially in confined areas.
Advice on general occupational hygiene shall be provided	Do not breathe vapour. Avoid contact with skin and eyes. Remove and wash contaminated clothing before re-use When using do not eat or drink. When using do not smoke.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities	Store in tightly closed, labelled containers. Store in a cool, dry, well-ventilated area out of direct sunlight. Refrigerated storage (2 – 8oC) is recommended for optimum shelflife. Keep away from high temperatures and sources of ignition. Keep away from oxidising agents and from strong acids/alkalis
Precautions in Case of Fire and Explosion	The product is flammable. Normal measures for preventive fire protection. Keep away from sources of ignition - No smoking.

7.3. Specific end use(s)


Specific end use(s)	Cosmetic product - adhesive for the nail modellation.
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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Control parameters	None.
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8.2. Exposure controls

Exposure controls		None.
Personal Protective Equipment		
Respiratory Protection		Use in well ventilated areas. Use local exhaust ventilation if exposed for long periods. If excessive inhalation in a poorly ventilated area is likely then use a respirator with filter type A. Ambient Relative Humidity should be >35% to minimise discomfort.

Hand protection		Wear Polythene, Polypropylene or Viton gloves. Latex (natural rubber), nylon or PVC gloves only provide protection for a few seconds.
Eye protection		Wear suitable eye protection, such as glasses rated to BS EN 166.
Skin protection		If handling large quantities, wear suitable protective clothing. Remove contaminated clothing and shoes immediately. Do not wear contaminated clothing.
Further Information		Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Thermal hazards		None.
Environmental exposure controls		None.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Viscous liquid
Odor	Like cyanacrylate
Colour	Colourless
Odor threshold	No data available
pH: (undiluted)	No data available
Boiling Point/Boiling range	>150°C (~55°C at 0.045mmHg)
Melting Point/Melting range	~ -30°C
Flash point (°C)	~ 85 (Ethyl-2-cyanacrylat / ethyl 2-cyanoacrylate)
Evaporation Rate	No data available
Flammability (solid, gas):	The product is flammable but not readily ignited.
Upper/lower flammability or explosive limits	Not applicable, obere: not applicable
Vapour pressure	No data available
Vapour density ((Air = 1.0))	No data available
Relative density (g/cm ³)	1,04
Water solubility	Insoluble. Polymerises rapidly with water
Fat solubility	Miscible in some organic solvents, e.g. acetone, MEK
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature °C	Not applicable
Decomposition temperature °C	No data available
Viscosity	No data available
Oxidising properties	Not applicable
Explosive properties	Not applicable
Solvent (Weight %):	Not applicable
VOC (g / kg):	Not applicable

9.2. Other information

Thermal decomposition (°C)	No data available
Vapour density (Air = 1)	No data available
Evaporation rate	No data available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity	No danger.
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10.2. Chemical stability

Chemical stability	Stable at normal conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Keep away from oxidizing agents, strongly alkaline materials and amines in order to avoid exothermic reactions.
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10.4. Conditions to avoid

Conditions to avoid	High temperatures, moisture and direct sunlight. Hazardous exothermic polymerization can occur if exposed to moisture
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10.5. Incompatible materials

Materials to avoid	Strong oxidising agents, water, alkalis, amines, alcohols, free-radical initiators. Will polymerise rapidly in contact with these agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Combustion/exothermic polymerisation will generate oxides of carbon, acrid smoke and irritating fumes.
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10.7. Hazardous Polymerization

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	Route:	Species:	Dose:	Notes
Ethyl -2-Cyanoacrylate	Oral	Rat	LD50 >3,000mg/kg	Expected to be very low. Product is almost impossible to swallow, due to polymerisation in the mouth
	Inhalation			Expected to be low
	Skin	Rabbit	LD50 >3,000mg/kg	Expected to be low due to rapid polymerisation in contact with skin
Sensitisation:	Not classified as sensitising. Prolonged or repeated over-exposure to high concentrations of vapours may lead to sensitising effects in sensitive individuals			
Eye irritation	Causes severe irritation. Conjunctival irritation and temporary corneal injury possible. Profuse eye watering and redness			
Skin irritation	Irritation and redness at site of contact. Prolonged or repeated contact may lead to itching, soreness, blistering, dermatitis, etc.			
Respiratory tract	Causes irritation – also of mucous membranes, nose and throat. Very high concentrations can cause nose bleeds.			
Chronic toxicity	Not expected.			
Repeated-dose toxicity:	Not expected at recommended OES levels (an NOAEL of 1-2ppm is likely).			

Reproductive toxicity	No adverse results reported
Carcinogenicity:	No adverse results reported
Mutagenicity:	No adverse results reported.
Routes of exposure	Refer to section 4 of SDS for routes of exposure and corresponding symptoms

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity (Ecotoxic Effects, Aquatic Toxicity)	Water endangering.
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12.2. Persistence and degradability

Persistence and degradability	Not considered to be inherently biodegradable
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12.3. Bioaccumulative potential

Bioaccumulative potential	Expected to be very low
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12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Water hazard classification	Considered to be virtually zero due to rapid polymerisation with water
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13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal operations	Do not discharge into drains or watercourses. Polymerise adhesive by adding slowly to water (~10:1, adhesive : water). Hardened product can be disposed of in land-fill sites by licensed contractors
Disposal of packaging	Dispose of product through properly licensed contractors under national and local legislation. Add water to contaminated packaging and then dispose of according to local regulations
Note:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

SECTION 14. TRANSPORT INFORMATION

ADR / RID			
UN number	3334	Classification code	
ADR Class		Shipping name	
Packing group		Labelling	
Hazard ID no			
IMDG / IMO			
UN number	3334	Class	
Packing group		Labelling	
EmS		Marine Pollutant	
IATA / ICAO			
UN number	3334	Class	


Packing group	9	Labelling	
Packing instructions	Aviation Regulated Liquid, n.o.s. (cyanoacrylate ester)		

SECTION 15. REGULATORY INFORMATION

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

Safety, health and environmental regulations/legislation specific for the substance or mixture	Labelling according to the Regulation (EC) 1272 / 2008:
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15.2. Ingredients

Ingredients	ETHYL CYANOACRYLATE,
Hazard Symbols:	
Label Phrases	R36/37/38 Irritating to eyes, respiratory system and skin
Safety phrases	S23 Do not breathe fumes/vapour S24/25 Avoid contact with skin and eyes S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S37 Wear suitable gloves

SECTION 16. OTHER INFORMATION

Health and Safety at Work Act 1974	Control of Substances Hazardous to Health Regulations 1994
COSHH Essentials	EH40/Series – Occupational Exposure Limits
Environmental Protection Act 1990	Special Waste Regulations 1996
EH72/13 Cyanoacrylate Risk Assessment Document	

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions

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This Safety Data Sheet is compiled with reference to The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3), which implement the Council Directives 67/548/EC (The Dangerous Substances Directive) and 99/45/EC (The Dangerous Preparations Directive), and subsequent amending regulations to both, and also the Safety Data Sheet Directive 91/155/EC and subsequent amending regulations. This Safety Data Sheet is also compiled with reference to regulation 1907/2006/EC and amendments. The information contained in this safety data sheet was obtained from a variety of sources and is believed to be accurate and current at the stated issue date. International Beauty Partners B.V.. and/or its agents cannot accept any liability for the use of information contained in this data sheet or for the use, application or processing of the product described in this data sheet. Users should note the possibility of hazards occurring due to improper use of the product.