

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

1.1. Product identifier

Product form : Mixture
Trade name : Instant adhesive gel - 20gr
UFI : SSTV-TS7W-5D97-UTJ9
Product code : IAG 20
Product group : Blend

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Adhesives, sealants

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Chemical Europe NV
Baarbeek 2
2070 Zwijndrecht
T +32 (0) 3 234 87 80 - F +32 (0) 3 234 87 89
info@chemical.eu

1.4. Emergency telephone number

Emergency number : +32 (0) 3 760 08 09

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Specific target organ toxicity — Single exposure, Category 3, H335
Respiratory tract irritation
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning
Contains : ethyl 2-cyanoacrylate
Hazard statements (CLP) : H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.

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Precautionary statements (CLP)	: P261 - Avoid breathing vapours. P280 - Wear protective gloves, eye protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTRE or doctor if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water.
EUH-statements	: EUH202 - Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

Scandinavian countries regulation

Denmark

MAL code : 5-5

2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethyl 2-cyanoacrylate	(CAS-No.) 7085-85-0 (EC-No.) 230-391-5 (EC Index-No.) 607-236-00-9	80 – 100	Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315
1,4-dihydroxybenzene; hydroquinone; quinol	(CAS-No.) 123-31-9 (EC-No.) 204-617-8 (EC Index-No.) 604-005-00-4	0 – 0.1	Carc. 2, H351 Muta. 2, H341 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10)

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Get medical advice/attention. In case of loss of conscience place the victim in the recovery position.
First-aid measures after skin contact	: Call a physician immediately. If possible, show him this sheet. Failing this, show him the packaging or label. Remove all contaminated clothing and footwear. Wash off with soap and plenty of water.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Get immediate medical advice/attention. If possible show him this sheet. Failing this, show him the packaging or label. Protect undamaged eye.
First-aid measures after ingestion	: Rinse mouth out with water. Do NOT induce vomiting. Drink plenty of water. Call a physician immediately.

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

Symptoms/effects after inhalation	: May cause sensitization by inhalation. High vapour concentration may cause shortness of breath (lung oedema). Cough. Headache.
Symptoms/effects after skin contact	: Dermatitis. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Exposed may experience eye tearing, redness and discomfort.

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

in lung irritation, first treat with dexamethasone dosseeraërosol.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. carbon dioxide (CO₂), powder, alcohol-resistant foam, water spray.
Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Reactivity in case of fire : Move away from the container and cool with water from a protected position. In case of fire, irritating fumes come free.
Hazardous decomposition products in case of fire : Carbon dioxide. Nitrogen oxides. cyan hydrogen gas. Toxic vapours are released.

5.3. Advice for firefighters

Protection during firefighting : Self-contained breathing apparatus. Do not breathe fumes from fires or vapours from decomposition. Full protection.
Other information : Dyke fire control water for later disposal.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate air ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Do not smoke.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not discharge the waste into the drain. Stop leak if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place. SECTION 13.

6.4. Reference to other sections

See Heading 8. 6.1.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide adequate ventilation to minimize dust and/or vapour concentrations. Avoid breathing dust, mist or spray. Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Handle and open container with care. Read carefully and follow all instructions.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Access forbidden to unauthorised personnel. Original packaging. Store in a closed container. Keep dry. Keep away from heat and direct sunlight.
Incompatible products : Strong acids. Keep away from oxidizing agents. Keep in a cool place away from alkali.

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Storage temperature : 2 – 8 °C

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:	
Ethyl 2-cyanoacrylate (content %: 80- < 100)	
WEL – TWA	---
WEL-STEL	0,3 ppm (1,5 mg/m3)
Monitoring procedures	--
BMGV	--
Other information	--
1,4-Dihydroxybenzene (content%: <0,1)	
WEL-TWA	0,5 mg/m3
WEL-STEL	--
Monitoring procedures	--
Other information	--

8.2. Exposure controls

Ethyl 2-cyanoacrylate						
Area of application	Exposure route/ Environmental Compartment	Effect on health	Description	Value	Unit	Note
Consumer	Human-inhalation	Long term, systemic effects	DNEL	9,25	Mg/m3	
Consumer	Human – inhalation	Long term, local effects	DNEL	9,25	Mg/m3	
Workers/employees	Human-inhalation	Long term, systemic effects	DNEL	9,25	Mg/M3	
Workers/employees	Human-inhalation	Long term, local effects	DNEL	9,25	Mg/M3	

Ensure good ventilation of the work station.

Personal protective equipment:

BS EN 14042.

Hand protection:					
Nitrile rubber gloves. Hand Cream					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR)	6 (> 480 minutes)	0.4		EN ISO 374
	Butyl rubber		0.4		EN ISO 374
	polyethylene				EN ISO 374

Eye protection:			
Safety glasses			
Type	Use	Characteristics	Standard
		Safety glasses with side shields	EN 166

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Skin and body protection:

Wear suitable protective clothing

Type	Standard
	EN ISO 20345

Respiratory protection:

None under normal conditions

Personal protective equipment symbol(s):



Consumer exposure controls:

Always wash hands after handling the product. Keep away from food, drink and animal feedingstuffs. Immediately remove contaminated or damp clothing. Unsuitable materials. cotton gloves. Protective gloves made of PVC.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Colourless.
Odour	: Irritating.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 149 °C
Flash point	: 80 – 93.4 °C
Auto-ignition temperature	: 450 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: < 700 mbar
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.05 g/m³
Solubility	: Reacts with water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 80 – 2500
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content : < 20 g/l

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SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts violently with water.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Polymerisation.

10.4. Conditions to avoid

Overheating. No flames, no sparks. Eliminate all sources of ignition. Water, humidity.

10.5. Incompatible materials

water. Oxidizing agents and bases. Acids.

10.6. Hazardous decomposition products

5.2. No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Cyanoacrylate 3030						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity – single exposure (STOT-SE)						n.d.a.
Specific target organ toxicity – repeated exposure (STOT-RE)						n.d.a.
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.
Ethyl 2-cyanoacrylate						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	Mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>2000	Mg/kg	Rabbit	OECD 402 (acute dermal toxicity)	
Skin corrosion/irritation:		24	H	Rabbit	OECD 404 (acute Dermal irritation/corrosion)	irritant
Serious eye damage/irritation:		72	h	Rabbit	OECD 405 (acute eye irritation/corrosion)	Irritant
Germ cell mutagenicity:					OECD 476 (in vitro Mammalian Cell Gene Mutation Test)	negative
Symptoms:						Respiratory distress, coughing, mucous, membrane irritation, watering eyes
Specific target organ toxicity – single exposure (STOT – SE), inhalative:						STOT SE 3,H 335
1,4-Dihydroxybenzene						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	320-400	Mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	Mg/kg	Rat		
Serious eye damage/irritation:						Corrosive
Respiratory or skin sensitisation:						Sensitising (skin contact)

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Symptoms:						Respiratory distress, unconsciousness, vomiting, headaches, cramps, mucous membrane irritation, nausea
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SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Cyanoacrylate 3030						
Toxicity/effect	Endpoint	Time	Value	Organism	Test method	Notes
12.1 Toxicity to fish:						n.d.a.
12.1 Toxicity to daphnia						n.d.a.
12.1 Toxicity to algae:						n.d.a.
12.2 Persistence and degradability:						n.d.a.
12.3 Bioaccumulative potential:						n.d.a.
12.4 Mobility in soil:						n.d.a.
12.5 Results of PBT and VPvB assessment						n.d.a.
12.6 Other adverse effects:						n.d.a.
1,4-Dihydroxybenzene						
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Notes
12.1 Toxicity to fish:	LC50	96h	0,04-0.1	Mg/l	Oncorhynchus mykiss	
12.1 Toxicity to daphnia:	EC50	48h	0,13	Mg/l	Daphnia magna	
12.1 Toxicity to algae:	EC50	48h	72h	Mg/l	Pseudokirchneria subcapitata	
12.2 Persistence and degradability:		14d	86	%		Readily biodegradable
12.3 Bioaccumulative potential:	BCF		40			
Toxicity to bacteria	EC50	30 min	0,038	Mg/l	Photobacterium phosphoreum	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Must follow special treatment according to local regulation.
Sewage disposal recommendations : Disposal must be done according to official regulations.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN
14.1. UN number			
Not applicable	Not applicable	UN 3334	Not applicable
14.2. UN proper shipping name			
Not applicable	Not applicable	Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)	Not applicable
Transport document description			
Not applicable	Not applicable	UN 3334 Aviation regulated liquid, n.o.s. (Cyanoacrylate ester), 9, III	Not applicable
14.3. Transport hazard class(es)			
Not applicable	Not applicable	9	Not applicable
Not applicable	Not applicable		Not applicable
14.4. Packing group			
Not applicable	Not applicable	III	Not applicable
14.5. Environmental hazards			
Not applicable	Not applicable	Dangerous for the environment : No	Not applicable
No supplementary information available			

14.6. Special precautions for user

Special transport precautions : Assumes that activities are undertaken with appropriate and well maintained equipment by trained personnel operating under supervision, Special transport precautions

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

No data available

Inland waterway transport

Not applicable

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

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : < 20 g/l

15.1.2. National regulations

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen – Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting : None of the components are listed

giftige stoffen – Ontwikkeling

Denmark

Class for fire hazard : Class III-1

Store unit : 50 liter

Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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.

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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.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.