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

1.1. Product identifier

Product form	:	Mixture
Product name	:	SUPERCOLLA CLASSIC 3+3
Product code	:	57007201
Type of product	:	adhesives
UFI	:	CP00-Y0YM-4006-XE4N

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

Relevant identified uses

Use of the substance/mixture	:	Cyanoacrylate adhesive
Use of the substance/mixture	:	Adhesives, sealants
Function or use category	:	Adhesives, binding agents

Uses advised against : This product is not recommended for all those uses not specifically identified on the label.

1.3. Details of the supplier of the safety data sheet

SARATOGA INT. SFORZA S.P.A.
Via Edison, 76
20090 Trezzano s/Naviglio (Mi)
ITALIA

Tel: +39 02 445731
Fax: +39 02 4452742

email: trading@saratogasforza.com

1.4. Emergency telephone number

Emergency number : CAV - Ospedale Pediatrico "Bambino Gesù" - Roma - Tel. +39 06 68593726 (h24)
CAV - Azienda Ospedaliero-Universitaria Foggia - Foggia - Tel. +39 0881 732326 (h24)
CAV - Azienda Ospedaliera "A. Cardarelli" - Napoli - Tel. +39 081 7472870 (h24)
CAV - Policlinico "Umberto I" - Roma - Tel. +39 06 4450618 (h24)
CAV - Policlinico "A. Gemelli" - Roma - Tel. +39 06 3054343 (h24)
CAV - Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica - Firenze - Tel. +39 055 7947819 (h24)
CAV - Centro Nazionale di Informazione Tossicologica - Pavia - Tel. +39 0382 24444 (h24)
CAV - Ospedale "Niguarda Ca' Granda" - Milano - Tel. +39 02 66101029 (h24)
CAV - Azienda Ospedaliera "Papa Giovanni XXIII" - Bergamo - Tel. +39 800 883300 (h24)
CAV - Azienda Ospedaliera Integrata Verona - Verona - Tel. +39 800 011858 (h24)

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, Respiratory tract irritation	H335

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

Adverse physicochemical, human health and environmental effects

No further indication.

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.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P261 - Avoid breathing vapours.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing. Eyes and face protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER/doctor if you feel unwell.
P332+313: If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P403+233: Store in a well-ventilated area. Keep container tightly closed.
P501: Dispose of contents and container in authorized collection centers.

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

2.3. Other hazards

Other hazards which do not result in classification : Contact with skin through cellulose based fabrics (i.e cotton, rayon, linen, viscose) generates heat and may cause burns.

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethyl 2-cyanoacrylate substance with national workplace exposure limit(s) (IE)	CAS-No.: 7085-85-0 EC-No.: 230-391-5 EC Index-No.: 607-236-00-9 REACH-no: 01-2119527766-29	≥90 - <95	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
1,4-dihydroxybenzene substance with national workplace exposure limit(s) (IE)	CAS-No.: 123-31-9 EC-No.: 204-617-8 EC Index-No.: 604-005-00-4	≥ 0.01 – < 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)

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits (%)**
ethyl 2-cyanoacrylate	CAS-No.: 7085-85-0 EC-No.: 230-391-5 EC Index-No.: 607-236-00-9 REACH-no: 01-2119527766-29	(10 ≤ C ≤ 100) STOT SE 3; H335

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Do not pull bonded skin apart.

First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air. If symptoms persist, consult a doctor.

First-aid measures after skin contact : Do not pull bonded skin apart. Remove all contaminated clothing and footwear. Unless stuck to skin. Wash immediately with plenty of soap and water. Any bonded skin should be gently peeled apart, preferably after soaking in warm, soapy water. In the case of large spills on the skin, superficial burns may occur - treat accordingly. If irritation persists, consult a doctor.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. 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 get trapped behind the eye, there is a possibility of causing abrasive damage. The affected eye should be covered with wet dressing until the separation process is complete, usually 1-3 days. If eye irritation persists, consult a specialist.

First-aid measures after ingestion : The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard. Make sure the airways are not obstructed. Saliva will separate the solidified product from the mouth within a few hours. If symptoms persist, consult a doctor.

First-aid measures for first aider : If this chemical contacts the skin, wash the contaminated skin with soap and water.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation : May cause shortness of breath, tightness of the chest, a sore throat and cough.

Symptoms/effects after skin contact : skin irritation and erythema. Cyanoacrylates bond skin in seconds. In the case of large spills on the skin, superficial burns may occur - treat accordingly.

Symptoms/effects after eye contact : Causes eye irritation. redness, itching, tears. Cyanoacrylates bond eyelids in seconds.

Symptoms/effects after ingestion : Causes irritation of the mouth and throat. The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard.

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

An eyewash station should be available on the premises. Do not pull bonded skin apart.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO_2).

Unsuitable extinguishing media : high volume water jet or water based extinguishing media.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Hazardous polymerization may occur if exposed to fire conditions.

Explosion hazard : Prolonged exposure to fire may cause containers to rupture/explode.

Reactivity in case of fire : On heating, there is a risk of bursting due to internal pressure build-up. Cool down the containers exposed to heat with a water spray.

Hazardous decomposition products in case of fire	:	Combustion products may include the following: carbon oxides (CO, CO_2) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO_2 etc.).

5.3. Advice for firefighters

Precautionary measures fire	:	Do not approach fire except upwind and only with proper skin and respiratory protection (supplied air only).
Firefighting instructions	:	Do not allow water to enter the vessels, a violent reaction may occur.
Protection during firefighting	:	Use self-contained breathing apparatus and chemically protective clothing. Avoid contact with eyes, skin and clothing.
Other information	:	Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Avoid contact with skin and eyes. Cyanoacrylates bond skin and eyelids in seconds. Provide emergency eye wash equipment with clean water at spill site.

For non-emergency personnel

Protective equipment	:	Gloves.
Emergency procedures	:	See section 8 of the SDS for more information on personal protective equipment. Avoid contact with skin, eyes and clothing.

For emergency responders

Protective equipment	:	Protective gloves. ISO 374-2. Safety glasses. ISO 16321-1.
Emergency procedures	:	Do not touch or walk on the spilled product. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

For a large spillage, contain the spillage by bunding. Do not allow contact with water. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment	:	For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. (Do not use cloths; rags or materials made from cellulose).
Methods for cleaning up	:	Absorb spilled material with sand or earth. (Do not use cloths; rags or materials made from cellulose). Or polymerise slowly with water (~10:1, adhesive : water) and then scrape up residue. Place in an appropriate container and dispose of the contaminated material at a licensed site.
Other information	:	Contaminated absorbent material may pose the same hazard as the spilt product. For disposal of contaminated materials refer to section 13 : "Disposal considerations".

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	:	Cyanoacrylates bond skin and eyelids in seconds.
Precautions for safe handling	:	Avoid contact with skin, eyes and clothing. Ensure that there is a suitable ventilation system. Do not handle in a confined space. Ambient humidity should be >35% to minimise discomfort.
Hygiene measures	:	Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Store in a well-ventilated place. Keep container tightly closed. Store away from direct sunlight or other heat sources.

Storage conditions	:	Keep only in original container. Protect from sunlight. For optimum shelf-life, it is recommended to keep the product in a refrigerated storage area. . Storage temperature 2-8°C.
Incompatible products	:	Oxidizing agent. Strong bases. Water. Amines. alcohols.
Incompatible materials	:	Heat sources. Water, humidity.
Storage temperature	:	2 – 24 °C For optimum shelf-life, it is recommended to keep the product in a refrigerated storage area.
Heat and ignition sources	:	Exothermic polymerisation can occur if exposed to elevated temperatures for long periods of time.
Storage area	:	Store in a well-ventilated place. Store in a dry place.
Packaging materials	:	Always store product in a container of the same material as original container.

7.3. Specific end use(s)

adhesives.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

ethyl 2-cyanoacrylate (7085-85-0)	
Ireland - Occupational Exposure Limits	
Local name	Cyanoacrylate, Ethyl [Ethyl cyanoacrylate]
OEL TWA	0.2 ppm
OEL STEL	1 ppm
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2021

1,4-dihydroxybenzene (123-31-9)	
Ireland - Occupational Exposure Limits	
Local name	Hydroquinone [p-Dihydroxybenzene]
OEL TWA	0.5 mg/m³
Remark	Sens. (In the workplace respiratory or dermal exposures to sensitising agents may occur. Sensitizers may evoke respiratory or dermal reactions, e.g. asthma, rhinitis and allergic contact dermatitis. The notation does not distinguish between respiratory or dermal sensitisation. Chemical agents that are sensitizers present special problems in the workplace. Should an employee become sensitised, subsequent exposure may cause intense responses, even at low exposure concentrations well below the OELV. Exposure should be eliminated or significantly reduced through control measures such as engineering and process controls and use of personal protective equipment (PPE))
Regulatory reference	Chemical Agents Code of Practice 2021

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:
Ensure that there is a suitable ventilation system. Wear recommended personal protective equipment. See section 7 of the SDS.

Personal protection equipment

Personal protective equipment:
Safety glasses. (ISO 16321-1). Gloves. (ISO 374-2).

Personal protective equipment symbol(s):

Eye and face protection

Eye protection:
Safety glasses. (ISO 16321-1)

Eye protection			
Type	**Field of application**	**Characteristics**	**Standard**
Safety glasses	Droplet	With side shields	ISO 16321-1:2021

Skin protection

Skin and body protection:
Normal overalls

Hand protection:
Wear protective gloves. (ISO 374-2)

Hand protection					
Type	**Material**	**Permeation**	**Thickness (mm)**	**Penetration**	**Standard**
Reusable gloves	Nitrile rubber (NBR), Fluoroelastomer (FKM), Viton® II	5 (> 240 minutes)	>0,35		EN 374-2
Disposable gloves	Nitrile rubber (NBR)	2 (> 30 minutes)	>0.15		

Other skin protection
Materials for protective clothing:
Do not wear cellulose based protective clothing (i.e cotton, rayon, linen, viscose).

Respiratory protection

Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection. Recommended: Filter type A (brown). Keep self contained breathing apparatus readily available for emergency use.

Respiratory protection			
Device	**Filter type**	**Condition**	**Standard**
Reusable half mask	Gas/vapour filter	If conc. in air > 1 vol %	EN 140, EN 405, EN 14387

Environmental exposure controls

Environmental exposure controls:
Do not discharge into drains or the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	Colourless.
Appearance	:	Clear, colourless liquid.
Odour	:	Acrid.

Melting point	: -31 °C	
Freezing point	: Not available	
Boiling point	: 214 °C @ 100.3 Kpa	
Flammability	: Not flammable	
Explosive properties	: Product is not explosive.	
Oxidising properties	: Not oxidising. by EC criteria.	
Lower explosion limit	: Not available	
Upper explosion limit	: Not available	
Flash point	: > 85 °C	
Auto-ignition temperature	: 485 °C	
Decomposition temperature	: Not available	The mixture is not self-reactive
pH	: substance/mixture reacts with water	
Viscosity, kinematic	: ≈ 38 mm²/s (calculated value) @20°C	
Viscosity, dynamic	: ≈ 40 cP Anton Paar cone and plate, controlled stress rheometer :	
Solubility	Soluble in acetone. Reacts violently on contact with water. Water: 24 µg/l @ 20 °C and pH 6.6	
Partition coefficient n-octanol/water (Log Kow)	: Not available	
Partition coefficient n-octanol/water (Log Pow)	: 0.776 @ 22 °C & pH 6.3	
Vapour pressure	: 21 Pa @20°C	
Vapour pressure at 50°C	: Not available	
Density	: Not available	
Relative density	: ≈ 1.04	
Relative vapour density at 20°C	: Not available	
Particle characteristics	: Not applicable	The mixture is not a solid

9.2. Other information

Other safety characteristics

VOC content	: < 3 g/l
Additional information	: Polymerises on exposure to water (moisture)

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Do not allow contact with water.

10.2. Chemical stability

Stable under normal conditions of use. Hazardous polymerization may occur if exposed to fire conditions. Polymerises on exposure to water (moisture).

Hardening time : < 50 Seconds

10.3. Possibility of hazardous reactions

Stable under normal conditions of use. Polymerises on exposure to temperature rise: pressure build-up may cause closed container to burst.

10.4. Conditions to avoid

Heat. High temperature. Open flame. Water, humidity. Protect from sunlight.

10.5. Incompatible materials

Incompatible with water, humid air. Oxidizing agent. Strong bases. Amines. alcohols.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NOx).

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

CS40 Cyanoacrylate adhesive	
LD50 oral rat	> 5000 mg/kg

ethyl 2-cyanoacrylate (7085-85-0)	
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg bodyweight LD50 dermal rabbit. (OECD 402 method)

1,4-dihydroxybenzene (123-31-9)	
LD50 oral rat	367.3 mg/kg bodyweight Animal: rat, Animal sex: female, OECD Guideline 401
LD50 dermal rabbit	> 2000 mg/kg bodyweight (OECD 402 method)

Skin corrosion/irritation : Causes skin irritation.
pH: substance/mixture reacts with water

1,4-dihydroxybenzene (123-31-9)	
pH	3.7

Serious eye damage/irritation : Causes serious eye irritation.
pH: substance/mixture reacts with water

1,4-dihydroxybenzene (123-31-9)	
pH	3.7

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

1,4-dihydroxybenzene (123-31-9)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

1,4-dihydroxybenzene (123-31-9)	
NOAEL (animal/male, F0/P)	15 mg/kg bodyweight
NOAEL (animal/female, F0/P)	15 mg/kg bodyweight
NOAEL (animal/male, F1)	150 mg/kg bodyweight
NOAEL (animal/female, F1)	150 mg/kg bodyweight

STOT-single exposure : May cause respiratory irritation.

ethyl 2-cyanoacrylate (7085-85-0)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

CS40 Cyanoacrylate adhesive	
Viscosity, kinematic	≈ 38 mm²/s (calculated value) @20°C

11.2. Information on other hazards

Other information

Potential adverse human health effects and symptoms : Causes skin irritation,Causes serious eye irritation,Inhalation of vapours may cause respiratory irritation,Cyanoacrylates bond skin and eyelids in seconds.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Ecology - water : Polymerises on exposure to water (moisture).

Hazardous to the aquatic environment, short–term (acute) : Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long–term (chronic) : Not classified (Based on available data, the classification criteria are not met)

CS40 Cyanoacrylate adhesive	
Additional information	This product is not considered to be hazardous to the aquatic environment due to the rapid polymerisation on contact with water.

1,4-dihydroxybenzene (123-31-9)	
LC50 - Fish [1]	0.638 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	0.134 mg/l Species: Daphnia magna
EC50 - Crustacea [2]	0.061 mg/l Species: Daphnia magna

12.2. Persistence and degradability

CS40 Cyanoacrylate adhesive	
Persistence and degradability	Biodegradability in water: no data available.

ethyl 2-cyanoacrylate (7085-85-0)	
Persistence and degradability	Readily biodegradable in water.

1,4-dihydroxybenzene (123-31-9)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

CS40 Cyanoacrylate adhesive	
Partition coefficient n-octanol/water (Log Pow)	0.776 @ 22 °C & pH 6.3
Bioaccumulative potential	No bioaccumulation potential.

ethyl 2-cyanoacrylate (7085-85-0)	
Partition coefficient n-octanol/water (Log Pow)	0.776 @22°C & pH 6.3
Bioaccumulative potential	Low bioaccumulation potential. (Log Kow < 4).

1,4-dihydroxybenzene (123-31-9)	
Partition coefficient n-octanol/water (Log Pow)	0.5 – 0.59

12.4. Mobility in soil

CS40 Cyanoacrylate adhesive	
Ecology - soil	Potential for mobility in soil is slight.
Additional information	Mobility is considered to be very low due to rapid polymerisation with water.

ethyl 2-cyanoacrylate (7085-85-0)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.834
Ecology - soil	Mobility is considered to be very low due to rapid polymerisation with water.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information : No other effects known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : The product can be polymerised slowly with water (10:1, adhesive : water). Cured product can then be disposed of in land-fill sites by licensed contractors. Use suitable disposal containers.
Product/Packaging disposal recommendations : Do not dispose of the packaging without first carrying out the necessary cleaning.
Additional information : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Ecological waste information : Do not empty into drains.
European List of Waste (LoW, EC 2000/532) : 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances
HP Code : HP5 - “Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:” waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.
HP4 - “Irritant – skin irritation and eye damage:” waste which on application can cause skin irritation or damage to the eye.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID
ADR: NOT SUBJECT
IMDG: NOT SUBJECT (Not subject to the provisions of IMDG but may be subject to provisions governing the transport of dangerous goods by other modes)
ADN: NOT SUBJECT
RID: NOT SUBJECT TO RID

14.1. UN number or ID number

UN-No. (ADR) : UN 3334
UN-No. (IMDG) : UN 3334
UN-No. (IATA) : UN 3334
UN-No. (ADN) : UN 3334
UN-No. (RID) : UN 3334

14.2. UN proper shipping name

Proper Shipping Name (ADR)	:	Aviation regulated liquid, n.o.s. (MIXTURE CONTAINS ethyl 2-cyanoacrylate)
Proper Shipping Name (IMDG)	:	AVIATION REGULATED LIQUID, N.O.S. (MIXTURE CONTAINS ethyl 2-cyanoacrylate)
Proper Shipping Name (IATA)	:	Aviation regulated liquid, n.o.s. (MIXTURE CONTAINS ethyl 2-cyanoacrylate)
Proper Shipping Name (ADN)	:	aviation regulated liquid, n.o.s. (MIXTURE CONTAINS ethyl 2-cyanoacrylate)
Proper Shipping Name (RID)	:	Aviation regulated liquid, n.o.s. (MIXTURE CONTAINS ethyl 2-cyanoacrylate)
Transport document description (IMDG)	:	UN 3334 AVIATION REGULATED LIQUID, N.O.S. (MIXTURE CONTAINS ethyl 2-cyanoacrylate), 9
Transport document description (IATA)	:	UN 3334 Aviation regulated liquid, n.o.s. (MIXTURE CONTAINS ethyl 2-cyanoacrylate), 9, III
Transport document description (ADN)	:	UN 3334 aviation regulated liquid, n.o.s. (MIXTURE CONTAINS ethyl 2-cyanoacrylate), 9
Transport document description (RID)	:	UN 3334 Aviation regulated liquid, n.o.s. (MIXTURE CONTAINS ethyl 2-cyanoacrylate), 9

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 9

IMDG

Transport hazard class(es) (IMDG) : 9

Danger labels (IMDG) : 9

:

IATA

Transport hazard class(es) (IATA) : 9

Danger labels (IATA) : 9

:

ADN

Transport hazard class(es) (ADN) : 9

RID

Transport hazard class(es) (RID) : 9

14.4. Packing group

Packing group (ADR)	:	III
Packing group (IMDG)	:	Not applicable
Packing group (IATA)	:	III
Packing group (ADN)	:	Not applicable
Packing group (RID)	:	Not applicable

14.5. Environmental hazards

Dangerous for the environment	:	No
Marine pollutant	:	No
Other information	:	No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : M11

Transport by sea

Special provisions (IMDG) : 960

Stowage category (IMDG) : None

Properties and observations (IMDG)	:	Not subject to the provisions of this Code but may be subject to provisions governing the transport of dangerous goods by other modes.

Air transport

Transport regulations (IATA)	:	Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.
PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y964
PCA limited quantity max net quantity (IATA)	:	30kgG
PCA packing instructions (IATA)	:	964
PCA max net quantity (IATA)	:	450L
CAO packing instructions (IATA)	:	964
CAO max net quantity (IATA)	:	450L
Special provisions (IATA)	:	A27
ERG code (IATA)	:	9A

Inland waterway transport

Classification code (ADN)	:	M11

Rail transport

Classification code (RID)	:	M11

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

VOC Directive (2004/42)

VOC content	:	< 3 g/l

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

Indication of changes:
SDS changed sections. Hazards identification. First aid measures. Firefighting measures. Accidental release measures. Handling and storage. Exposure controls/personal protection. Physical and chemical properties. Toxicological information. Ecological information. Disposal considerations.

Indication of changes		
Section	**Changed item**	**Comments**
	Version	**Modified**
	Revision date	**Modified**
	Supersedes version of	**Modified**
2.1	Adverse physicochemical, human health and environmental effects	**Modified**
4.1	First-aid measures for first aider	**Added**
5.3	Other information	**Added**
6.1	Emergency procedures	**Modified**
6.3	Other information	**Modified**
7.1	Additional hazards when processed	**Modified**
7.2	Heat and ignition sources	**Added**
8.2	Environmental exposure controls	**Added**
8.2	Materials for protective clothing	**Added**
9	Flammability (solid, gas)	**Added**
11.1	Potential adverse human health effects and symptoms	**Modified**
12.1	Additional ecotoxicological information	**Added**
13.1	Ecology - waste materials	**Added**
16	Indication of changes	**Modified**

Abbreviations and acronyms:	
CAS-No.	Chemical Abstract Service number
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association

Abbreviations and acronyms:	
IMDG	International Maritime Dangerous Goods
IOELV	Indicative Occupational Exposure Limit Value
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
WGK	Water Hazard Class

Data sources : Supplier's safety documents. ECHA (European Chemicals Agency). UNECE, http://www.unece.org/.

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
EUH202	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
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.
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

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)

Safety Data Sheet applicable for regions : IE

Safety Data Sheet (SDS), EU