

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

>SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

> 1.1. Product identifier

Product name : C 3000
Product code : 373.
UFI : NWT1-Y0EV-K00J-QYHV

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

Cyanoacrylate adhesive for all materials.
Professional use

1.3. Details of the supplier of the safety data sheet

Registered company name : ORAPI.
Address : PARC INDUSTRIEL DE LA PLAINE DE L'AIN - 225 ALLEE DES CEDRES.01150.SAINT-VULBAS.FRANCE.
Telephone : 33-(0)4-74-40-20-20. Fax : 33-(0)4-74-40-20-21.
fds@orapi.com

1.4. Emergency telephone number : 33-(0)1-45-42-59-59.

Association/Organisation : INRS .

Other emergency numbers

Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

>SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315).
Eye irritation, Category 2 (Eye Irrit. 2, H319).
Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H335).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

> In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS07

Signal Word :

WARNING

Product identifiers :

EC 230-391-5 ETHYL 2-CYANOACRYLATE

Additional labeling :

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

Hazard statements :

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

Precautionary statements - Prevention :

P261 Avoid breathing mist, vapours.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves, eye protection, face protection.

Precautionary statements - Response :

P312 Call a POISON CENTER or doctor if you feel unwell.
P337 + P313 If eye irritation persists: Get medical advice/attention.

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Precautionary statements - Storage :

P403 + P233

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

> **2.3. Other hazards**

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances $> 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

> **SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

3.2. Mixtures

> **Composition :**

Identification	(EC) 1272/2008	Note	%
INDEX: 7085850 CAS: 7085-85-0 EC: 230-391-5 REACH: 01-2119527766-29 ETHYL 2-CYANOACRYLATE	GHS07 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]	50 \leq x % < 100
INDEX: 604_005_00_4 CAS: 123-31-9 EC: 204-617-8 REACH: 01-2119524016-51 1,4-DIHYDROXYBENZENE	GHS07, GHS05, GHS09, GHS08 Dgr Acute Tox. 4, H302 Skin Sens. 1, H317 Eye Dam. 1, H318 Muta. 2, H341 Carc. 2, H351 Aquatic Acute 1, H400 M Acute = 10	[1] [2]	0 \leq x % < 0.1

> **Specific concentration limits:**

Identification	Specific concentration limits	ATE
INDEX: 7085850 CAS: 7085-85-0 EC: 230-391-5 REACH: 01-2119527766-29 ETHYL 2-CYANOACRYLATE	STOT SE 3: H335 $\geq 10\%$	

Information on ingredients :

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

> **SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

> **In the event of exposure by inhalation :**

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

Do not absorb nothing by mouth.

> **In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

> **In the event of splashes or contact with skin :**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

DO NOT use solvents or thinners.

> **In the event of swallowing :**

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

See section 11 for more detailed information on health effects and symptoms.

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

Treat symptomatically.

> **SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist

- foam

- carbon dioxide (CO₂)

- powder

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

- nitrogen oxides (NO_x)

> **5.3. Advice for firefighters**

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Collect contaminated fire fighting water separately. Do not discharge into drains.

Cool tanks and parts exposed to the heat flow and not caught in the flames with water.

Remove all sources of ignition.

> **SECTION 6 : ACCIDENTAL RELEASE MEASURES**

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

> **6.4. Reference to other sections**

For information on personal protective equipment, see Chapter 8.

For information on disposal, see Chapter 13.

>SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

> 7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Do not breathe vapors.

Fire prevention :

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

> Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

Avoid skin and eye contact with this mixture.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

> Storage

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

>SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

> Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7085-85-0	0.2 ppm				
123-31-9	1 mg/m ³			SEN; A3	

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
123-31-9	-	2	-	-	C3. M3	65

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7085-85-0		0.3 ppm 1.5 mg/m ³			
123-31-9	0.5 mg/m ³				

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

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- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

> - Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- PVA (Polyvinyl alcohol)

- Butyl Rubber (Isobutylene-isoprene copolymer)

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- Viton® (Hexafluoropropylene copolymer and vinylidene fluoride)

> - Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid inhaling vapors.

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

>SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

> Physical state

Physical state : Viscous liquid.

> Colour

Colourless

> Odour

Odour threshold : Not stated.

> Melting point

Melting point/melting range : Not relevant.

> Freezing point

Freezing point / Freezing range : Not stated.

> Boiling point or initial boiling point and boiling range

Boiling point/boiling range : Not relevant.

> Flammability

Flammability (solid, gas) : Not stated.

> Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash Point Interval : 60°C < FP <= 93°C

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- > **Auto-ignition temperature**
Self-ignition temperature : Not relevant.
- > **Decomposition temperature**
Decomposition point/decomposition range : Not relevant.
- > **pH**
pH (aqueous solution) : Not stated.
pH : Not relevant.
- > **Kinematic viscosity**
Viscosity : 80-120 cP (R2, 25°C)
- > **Solubility**
Water solubility : Insoluble.
Fat solubility : Not stated.
- > **Partition coefficient n-octanol/water (log value)**
Partition coefficient: n-octanol/water : Not stated.
- Vapour pressure**
Vapour pressure (50°C) : Not relevant.
- > **Density and/or relative density**
Density : 1.00 +/- 0.01 (20°C)
- > **Relative vapour density**
Vapour density : Not stated.
- > **9.2. Other information**
No data available.
- > **9.2.1. Information with regard to physical hazard classes**
No data available.
- > **9.2.2. Other safety characteristics**
No data available.

> **SECTION 10 : STABILITY AND REACTIVITY**

- > **10.1. Reactivity**
No dangerous reactions will occur under normal conditions.
- 10.2. Chemical stability**
This mixture is stable under the recommended handling and storage conditions in section 7.
- > **10.3. Possibility of hazardous reactions**
When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.
- > **10.4. Conditions to avoid**
Avoid :
- heat
- humidity
- exposure to light
- flames and hot surfaces
- > **10.5. Incompatible materials**
Keep away from :
- water
- alkalis
- amines
- alcohols
- oxidising agents
- strong bases
- bases
- 10.6. Hazardous decomposition products**
The thermal decomposition may release/form :
- carbon monoxide (CO)
- carbon dioxide (CO2)
- nitrogen oxides (NOx)

>SECTION 11 : TOXICOLOGICAL INFORMATION

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

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Splashes in the eyes may cause irritation and reversible damage

Respiratory tract irritation may occur, together with symptoms such as coughing, choking and breathing difficulties.

> 11.1.1. Substances

> Acute toxicity :

1,4-DIHYDROXYBENZENE (CAS: 123-31-9)

Dermal route :

LD50 > 2000 mg/kg

Species : Rabbit

OECD Guideline 402 (Acute Dermal Toxicity)

ETHYL 2-CYANOACRYLATE (CAS: 7085-85-0)

Oral route :

LD50 > 5000 mg/kg

Species : Rat

OECD Guideline 401 (Acute Oral Toxicity)

Dermal route :

LD50 > 2000 mg/kg

Species : Rabbit

OECD Guideline 402 (Acute Dermal Toxicity)

> 11.1.2. Mixture

> Skin corrosion/skin irritation :

Causes skin irritation.

> Serious damage to eyes/eye irritation :

Causes serious eye irritation.

> Respiratory or skin sensitisation :

May irritate the respiratory tract.

11.2. Information on other hazards

>SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

> 12.1.1. Substances

1,4-DIHYDROXYBENZENE (CAS: 123-31-9)

Fish toxicity :

LC50 = 0.638 mg/l

Species : *Oncorhynchus mykiss*

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 0.061 mg/l

Species : *Daphnia magna*

Duration of exposure : 48 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

> 12.2.1. Substances

1,4-DIHYDROXYBENZENE (CAS: 123-31-9)

Biodegradability :

no degradability data is available, the substance is considered as not degrading quickly.

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ETHYL 2-CYANOACRYLATE (CAS: 7085-85-0)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

>SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

14.1. UN number or ID number

3334

14.2. UN proper shipping name

UN3334=Aviation regulated liquid, n.o.s.

14.3. Transport hazard class(es)

- Classification :



Not for ADR

14.4. Packing group

Not for ADR

14.5. Environmental hazards

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14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M11	Not for ADR	Not for ADR	Not for ADR	-	-	-	-	-

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	9	-	-	-	-	960		-	-

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	9	-	III	964	450 L	964	450 L	A27	E1

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	9	-	III	Y964	30 kg G	-	-	A27	E1
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For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

>SECTION 15: Regulatory information

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

> - Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

> - Container information:

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):
<https://echa.europa.eu/substances-restricted-under-reach>.

- Particular provisions :

No data available.

15.2. Chemical safety assessment

No data available.

>SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

> Wording of the phrases mentioned in section 3 :

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.

> Abbreviations :

- LD50 : The dose of a test substance resulting in 50% lethality in a given time period.
 - LC50 : The concentration of a test substance resulting in 50% lethality in a given period.
 - EC50 : The effective concentration of substance that causes 50% of the maximum response.
 - REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.
 - CMR: Carcinogenic, mutagenic or reprotoxic.
 - UFI : Unique formulation identifier.
 - STEL : Short-term exposure limit
 - TWA : Time Weighted Averages
 - TMP : French Occupational Illness table
 - TLV : Threshold Limit Value (exposure)
 - AEV : Average Exposure Value.
 - ADR : European agreement concerning the international carriage of dangerous goods by Road.
 - IMDG : International Maritime Dangerous Goods.
 - IATA : International Air Transport Association.
 - ICAO : International Civil Aviation Organisation
 - RID : Regulations concerning the International carriage of Dangerous goods by rail.
 - GHS07 : Exclamation mark
 - PBT: Persistent, bioaccumulable and toxic.
 - vPvB : Very persistent, very bioaccumulable.
 - SVHC : Substances of very high concern.
- > Modification compared to the previous version