

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 08.06.2023

Version number 1

Revision: 16.05.2023

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade name **ONEBOND 712**

Safety data sheet no.: 2199GL001\_16

UFI: NM10-30YU-J00M-RKNN

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

The product is intended for industrial or professional use.

**Life cycle stages** PW Widespread use by professional workers**Sector of Use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU17 General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment

**Product category** PC1 Adhesives, sealants**Process category**

PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

**Environmental release category**

ERC8c Widespread use leading to inclusion into/onto article (indoor)

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

**Application of the substance / the mixture** Adhesives**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Saint-Gobain Surface Solutions

251 rue de l'Ambassadeur

78700 Conflans, France

+33 1 34 90 41 40

Onebond.support@Saint-Gobain.com

**1.4 Emergency telephone number:** +33 1 34 90 41 40**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

EUG

## Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 08.06.2023

Version number 1

Revision: 16.05.2023

Trade name ONEBOND 712

(Contd. of page 1)

### Hazard pictograms



GHS07

**Signal word** Warning

### Hazard-determining components of labelling:

ethyl 2-cyanoacrylate

### Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

### Precautionary statements

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

P280 Wear protective gloves / eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a doctor.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### Additional information:

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

### 2.3 Other hazards

### Results of PBT and vPvB assessment

**PBT:** Does not contain PBT substances.

**vPvB:** Does not contain vPvB substances.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Description:** Mixture consisting of the following components.

#### Dangerous components:

CAS: 7085-85-0	ethyl 2-cyanoacrylate	75-100%
EINECS: 230-391-5	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
Index number: 607-236-00-9	Specific concentration limit: STOT SE 3; H335: C ≥ 10 %	
Reg.nr.: 01-2119527766-29-xxxx		

**SVHC** Void

**Additional information** For the wording of the listed hazard phrases refer to section 16.

EUG

(Contd. on page 3)

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 08.06.2023

Version number 1

Revision: 16.05.2023

Trade name ONEBOND 712

(Contd. of page 2)

**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

**After inhalation** Supply fresh air; consult doctor in case of complaints.

**After skin contact**

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

**After eye contact**

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 5 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

**After swallowing** Do not induce vomiting; call for medical help immediately.

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

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents**

Water with full jet

In the presence of electrical voltage, do not use water or foam as extinguishing media.

**5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon oxides (CO<sub>x</sub>)

**5.3 Advice for firefighters****Protective equipment:**

Wear fully protective suit.

Wear self-contained respiratory protective device.

**Additional information**

The following fire precautions are recommended: Ensure adequate fire-fighting equipment is to hand and that there are sufficient fire exits, which are kept clear at all times. If there is an outbreak of fire, the Fire Brigade should be called immediately and advised that EPS is involved. The area should be evacuated by all personnel, except those fighting the fire.

EUG

(Contd. on page 4)

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 08.06.2023

Version number 1

Revision: 16.05.2023

Trade name ONEBOND 712

(Contd. of page 3)

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

Avoid inhalation of vapors.

Contaminated protective equipment should be cleaned (by washing).

Ensure adequate ventilation.

**For emergency responders** Wear protective equipment. Keep unprotected persons away.**6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to section 13.

Ensure adequate ventilation.

**6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

**Information about fire - and explosion protection:**

Keep away from heat, sparks, open flames and hot surfaces.

**7.2 Conditions for safe storage, including any incompatibilities****Storage****Requirements to be met by storerooms and receptacles:**

Store only in unopened original receptacles.

Store in a cool location.

**Information about storage in one common storage facility:**

Store away from amines.

Store away from foodstuffs.

Store away from water.

**Further information about storage conditions:** None.**Recommended storage temperature:** 5-25°C**7.3 Specific end use(s)** No further relevant information available.

EUG

(Contd. on page 5)

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 08.06.2023

Version number 1

Revision: 16.05.2023

Trade name ONEBOND 712

(Contd. of page 4)

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Ingredients with limit values that require monitoring at the workplace:**

**DNELs**

**CAS: 7085-85-0 ethyl 2-cyanoacrylate**

Inhalative	Derived No Effect Level	9.25 mg/m <sup>3</sup> (worker systemic long term value)
		9.25 mg/m <sup>3</sup> (consumer systemic long term value)
		9.25 mg/m <sup>3</sup> (worker local long term value)
		9.25 mg/m <sup>3</sup> (consumer local long term value)

**CAS No. / Designation of material / % / Type / Value / Unit**

**CAS: 7085-85-0 ethyl 2-cyanoacrylate**

MAK (Germany)	vgl.Abschn.IIb
GV (Denmark)	Short-term value: 20 mg/m <sup>3</sup> , 4 ppm Long-term value: 10 mg/m <sup>3</sup> , 2 ppm
LEP (Spain)	Long-term value: 0.2 ppm
TWA (Italy)	Long-term value: 1 mg/m <sup>3</sup> , 0.2 ppm
VLE (Portugal)	Long-term value: 0.2 ppm Irritação do TRS e cutânea
OEL (Sweden)	Short-term value: 20 mg/m <sup>3</sup> , 4 ppm Long-term value: 10 mg/m <sup>3</sup> , 2 ppm M, S, V
HTP (Finland)	Long-term value: 1 mg/m <sup>3</sup> , 0.2 ppm

**8.2 Exposure controls**

**Appropriate engineering controls** No further data; see section 7.

**Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

**Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

**Hand protection**

**Material of gloves** Nitrile impregnated cotton gloves complying with the standard EN 374-1.

**Eye/face protection** Safety glasses.

**Body protection:** Protective work clothing.

EUG

(Contd. on page 6)

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 08.06.2023

Version number 1

Revision: 16.05.2023

Trade name ONEBOND 712

(Contd. of page 5)

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

<b>Physical state</b>	Fluid
<b>Colour:</b>	Transparent
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Undetermined.
<b>Boiling point or initial boiling point and boiling range</b>	>100 °C (DIN)
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	>93 °C (DIN ISO 2592)
<b>Auto-ignition temperature:</b>	480 °C (DIN 51794)
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Mixture reacts violently with water.
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Kinematic viscosity dynamic at 20 °C:</b>	7 mPas (DIN 53019) Not determined.
<b>Solubility</b>	
<b>Water:</b>	Not miscible or difficult to mix
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	0.21 hPa (DIN 51640)
<b>Vapour pressure:</b>	
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	0.9-1.1 g/cm <sup>3</sup> (DIN 51757)
<b>Relative density</b>	Not determined.
<b>Bulk density:</b>	Not applicable.
<b>Vapour density</b>	Not determined.

**9.2 Other information**

<b>Appearance:</b>	
<b>Form:</b>	Fluid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Product is not self-igniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Minimum ignition energy</b>	
<b>Solvent separation test:</b>	Not determined
<b>Change in condition</b>	
<b>Softening point/range</b>	
<b>Oxidising properties</b>	Not determined.

(Contd. on page 7)

EUG

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 08.06.2023

Version number 1

Revision: 16.05.2023

Trade name ONEBOND 712

(Contd. of page 6)

Evaporation rate	Not determined.
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**Information with regard to physical hazard classes**

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols

**10.2 Chemical stability** Stable at recommended storage conditions

**Thermal decomposition / Conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions** Exothermic polymerisation.

**10.4 Conditions to avoid**

Avoid heat, sparkles, naked flame or other sources of ignition.

Avoid water ingress/moisture during storage (the product will react with moisture and harden).

Minimize exposure to air and moisture to avoid a loss of product quality.

**10.5 Incompatible materials:**

Oxydising agents.

Strong acids and strong bases.

**10.6 Hazardous decomposition products:** Formaldehyde

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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

(Contd. on page 8)

—EUG—

## Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 08.06.2023

Version number 1

Revision: 16.05.2023

Trade name ONEBOND 712

(Contd. of page 8)

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Recommendation

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation. Follow the provisions of Directive 2008/98/EC regarding waste management.


European waste catalogue	
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09
15 01 02	plastic packaging
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

##### Uncleaned packaging:

##### Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

### SECTION 14: Transport information

<b>14.1 UN number or ID number</b>	
ADR, IMDG	Void
IATA	UN3334
<b>14.2 UN proper shipping name</b>	
ADR, IMDG	Void
IATA	Aviation regulated liquid, n.o.s.
<b>14.3 Transport hazard class(es)</b>	
ADR, ADN, IMDG	
Class	Void
IATA	
	
Class	9 Miscellaneous dangerous substances and articles.
Label	9
<b>14.4 Packing group</b>	
ADR, IMDG	Void
IATA	III
<b>14.5 Environmental hazards:</b>	Not applicable.
<b>14.6 Special precautions for user</b>	Not applicable.

(Contd. on page 10)



**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 08.06.2023

Version number 1

Revision: 16.05.2023

Trade name ONEBOND 712

(Contd. of page 9)

**14.7 Maritime transport in bulk according to IMO instruments** Not applicable.**Transport/Additional information:****IATA**

Please note that Cyanoacrylates are restricted for air transportation in packages containing more than 500g. The "Package" is the individual bottle, tube or drum, not a carton containing many bottles. OneBond 20g and 50g are not restricted for air transportation.

**Remarks:**

[7085-85-0 Ethyl 2-Cyanoacrylate]

**UN "Model Regulation":**

Void

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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

**Labelling according to Regulation (EC) No 1272/2008** cf. section 2**Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual

(Contd. on page 11)

EUG

**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 08.06.2023

Version number 1

Revision: 16.05.2023

**Trade name ONEBOND 712**

(Contd. of page 10)

relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

**Relevant phrases**

The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Classification according to Regulation (EC) No 1272/2008**

Skin corrosion/irritation Serious eye damage/irritation Specific target organ toxicity (single exposure)	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
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**Department issuing SDS:** Quality**Contact:**

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**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**\* Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.