

MATERIAL SAFETY DATA SHEET

DESCRIPTION

**CYANOACRYLATE ADHESIVE
(SUPERGLUE) 20G BOTTLE**



ORDER CODE

A 3288 MSDS

SECTION 1: Identification of the substance / preparation and company

1.1 Product identifier

Cyanoacrylate A 3288

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

1.3 Details of the supplier of the safety data sheet:

Seals + Direct
Unit 6, Milton Business Centre
Wick Drive, New Milton
Hants, BH25 6RH
Tel: 01425 617722
Fax: 01425 610967
Email: sales@sealsplusdirect.co.uk

1.4 Emergency telephone number

Tel: 01425 617722 (Mon – Fri 8:30am – 5pm)

SECTION 2: Hazards Identification

2.1 Mixtures

Ethyl 2-cyanoacrylate CAS number: 7085-85-0	EC number: 230-391-5	60-100%
Classification Skin Irrit.2 – H315 Eye Irrit. 2 – H319 STOT SE 3 – H335		

The Full Text for all R-Phrases and Hazard Statements are displayed in Section 16.

This information and our technical advice, whether verbal, in writing or by way of trials, is given in good faith but without warranty. This also applies where proprietary rights are involved. Our advice does not release you from the obligations to check its validity and to test our products as to their suitability for the intended use. The storage, application and use of our products are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale. The information contained within this data sheet is subject to change without notice.

SECTION 3: Composition / information on ingredients

3.1 Classification of the substance or mixture

Physical hazards	Not classified
Health hazards	Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 STOT SE 3 – H335
Environmental hazards	Not classified

3.2 Label elements



Signal Word

Warning

Hazard statements

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

Precautionary statements

P261

Avoid breathing vapour/spray.

P264

Wash contaminated skin thoroughly after handling.

P271

Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN:

Wash with plenty of 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 CENTRE/doctor if you feel unwell.

P321

Specific treatment (see medical advice on this label).

P332+P313

If skin irritation occurs: Get medical advice/attention.

P337+P313

If eye irritation persists: Get medical attention.

P362+P364

Take off contaminated clothing and wash it before reuse.

P403+P233 Store in a well-ventilation place. Keep container tightly closed.

P405

Store locked up.

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

Supplemental label information

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

Contains
Ethyl 2-cyanoacrylate

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General information

Get medical advice/attention if you feel unwell.

Inhalation

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).

Skin Contact

If adhesive bonding occurs, do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water. Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn. Burns should be treated normally after the adhesive has been removed from the skin. If lips are accidentally stuck together, apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action.

Eye Contact

If the eye is bonded closed, release eyelashes with warm water by covering with wet pad. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.

4.2 Most important symptoms and effects, both acute and delayed

General information

Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Apply a pad soaked in warm water and allow the eyelids to separate. If adhesive bonding occurs, prise the skin apart slowly, working from the edge of the bonded area. Treat symptomatically.

SECTION 5: Fire-fighting Measures

5.1 Extinguishing media

Special extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

5.2 Special hazards arising from the substance or mixture

Specific hazards

The product is not flammable. Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.

5.3 Advice for firefighters

Protective actions during firefighting

Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin and eyes. Provide adequate ventilation.

6.2 Environmental precautions

Environmental precautions

The product is biodegradable.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up

Provide adequate ventilation. Do not use cloths for mopping up. Polymerise with water and scrape off floor.

6.4 Reference to other sections

Reference to other sections

For waste disposal, see Section 13. For personal protection, see Section 8.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Usage precautions

For personal protection, see Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Store at temperatures between 2°C and 8°C.

7.3 Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control parameters

Occupational exposure limits

Ethyl2-cyanocrylate

Short-term exposure limit (15 minute): WEL 0.3ppm 1.5mg/m³

WEL= Workplace Exposure Limit

8.2 Exposure controls

Protective equipment



Eye/face protection

Wear eye protection

Hand protection

Wear protective gloves made of the following material: Polyethylene, polypropylene gloves. Do not use Polyvinyl chloride (PVC), rubber (natural, latex), nylon or cotton gloves.

SECTION 9: Physical and Chemical Properties

9.1 Information of basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Characteristic
Odour threshold	No information available
pH	Not applicable
Melting point	No information available
Initial boiling point & range	96-105°C
Flash point	85°C
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	No information available
Vapour pressure	.293 mm Hg @ °C
Vapour density	No information available
Relative density	No information available
Solubility(ies)	Insoluble in water. Soluble in the following materials: Acetone
Partition coefficient	No information available
Auto-ignition temp	No information available
Decomposition temp	No information available
Explosive properties	No information available

9.2 Other information

Other information

None

SECTION 10: Stability and Reactivity

10.1 Reactivity

Reactivity

Polymerisation will occur in the presence of moisture and other basic materials.

10.2 Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions

Polymerisation will occur in the presence of moisture and other basic materials.

10.4 Conditions to avoid

Conditions to avoid

None known

10.5 Incompatible materials

Materials to avoid

Moisture

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Toxicological effects

Considered low toxicity.

Acute toxicity – oral

ATE oral (mg/kg) 4,198.15281276

Inhalation

Vapours may irritate eyes and respiratory system. May cause inhalation hypersensitivity (occupational asthma) in sensitive individuals.

Ingestion

Cyanoacrylates are considered to have relatively low toxicity. It is almost impossible to swallow as it rapidly polymerises in the mouth.

Skin contact

Bonds skin and eyes in seconds. May cause skin irritation.

Eye contact

Bonds skin and eyes in seconds. In a dry atmosphere vapours may cause irritation and lachrymatory effect.

SECTION 12: Ecological Information

Ecotoxicity

There are no data on the ecotoxicity of this product.

12.1 Toxicity

Toxicity

Low

12.2 Persistence and degradability

Persistence and degradability

This product is biodegradable.

12.3 Bioaccumulative potential

Bioaccumulative potential

No data on bioaccumulation.

Partition coefficient

No information available.

12.4 Mobility in soil

Mobility

The product is insoluble in water.

12.5 Results of PBT and vBT and vPvB assessment

Results of PBT and vBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6 Other adverse effects

Other adverse effects

None known.

SECTION 13: Disposal Consideration

13.1 Waste treatment methods

General information

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods

Dispose of waste product or used containers in accordance with local regulations.

SECTION 14: Transport Information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

No transport warning sign required.

14.4 Packing group

Not applicable

14.5 Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory Information

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

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as amended.

Dangerous Preparations Directive 199/45/EC.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU – EINECS/ELINCS

None of the ingredients are listed or exempt.

SECTION 16: Other Information

Revision date

Refer to date at bottom of sheet

SDS number

4553

Hazard statements in full

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.

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.