

SAFETY DATA SHEET

Based on Regulation (EC) No. 1907/2006 (REACH) Article 31 and Annex II



501003000, SUPER 7

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Product name: 501003000, SUPER 7

1.2 Use of the substance/preparation:

Adhesive

1.3 Company/undertaking identification:

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1.4 Emergency telephone:

24h/24h:
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2. Hazards identification

DSD/DPD

Irritating to eyes, respiratory system and skin

Other hazards

Material presenting a fire hazard

Caution! Bonds skin and eyes in seconds

3. Composition/information on ingredients

| Name | CAS No EINECS/ELINCS | Conc. | Classification according to DSD/ DPD | Classification according to CLP | Note |
|-----------------------|-------------------------|-------|--|--|--------|
| ethyl 2-cyanoacrylate | 7085-85-0 230-391-5 | >85% | Xi; R36/37/38 | Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315 | (1)(2) |

(1) For R-phrases and H-statements in full: see heading 16

(2) Substance with a Community workplace exposure limit

4. First aid measures

4.1 After inhalation:

Remove the victim into fresh air

Respiratory problems: consult a doctor/medical service

4.2 Skin contact:

Do not pull surfaces apart with a direct opposing action

Immerse the bonded surfaces in warm, soapy water

Peel or roll surfaces apart with a blunt edge, e.g. spatula

Do not apply (chemical) neutralizing agents

Take victim to a doctor if irritation persists

4.3 Eye contact:

Do not try to open the eyes by manipulation

Wash thoroughly with warm water

Apply a moist gauze patch

Do not apply neutralizing agents

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Take victim to an ophthalmologist if irritation persists

4.4 After ingestion:

Do not try to pull the lips with a direct opposing action
Apply lots of warm water and saliva
Consult a doctor/medical service if you feel unwell

5. Fire-fighting measures

5.1 Suitable extinguishing media:

Water spray
Alcohol-resistant foam
BC powder
Carbon dioxide

5.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known

5.3 Special exposure hazards:

Temperature above flashpoint: higher fire/explosion hazard
On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide)
May polymerize on exposure to water (moisture)

5.4 Instructions:

Dilute toxic gases with water spray

5.5 Special protective equipment for fire-fighters:

Gloves
Face-shield
Protective clothing
Heat/fire exposure: compressed air/oxygen apparatus

6. Accidental release measures

6.1 Personal precautions:

See heading 8.2

6.2 Environmental precautions:

Dam up the liquid spill
See heading 13

6.3 Methods for cleaning up:

Take up liquid spill into absorbent material, e.g.: sand, saw dust, kieselguhr
Scoop absorbed substance into closing containers
Carefully collect the spill/leftovers
Clean contaminated surfaces with an excess of water
Wash clothing and equipment after handling

7. Handling and storage

7.1 Handling:

Keep away from naked flames/heat
Avoid contact of substance with water
Observe normal hygiene standards
Keep container tightly closed

7.2 Storage:

Safe storage requirements:

Store in a cool area
Store in a dry area
Store in a dark area
Keep only in the original container
Meet the legal requirements

Keep away from:

(strong) bases

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oxidizing agents
amines
water/moisture

7.3 Specific use(s):

See information supplied by the manufacturer for the identified use(s)

8. Exposure controls/Personal protection

8.1 Exposure limit values:

8.1.1 Occupational exposure:

If limit values are applicable and available these will be listed below.

Indicative exposure limit (the Netherlands)

| | | |
|------------------------|------------------|-----------------------|
| Ethyl(2-)cyaanacrylaat | Short time value | 1.5 mg/m ³ |
|------------------------|------------------|-----------------------|

Limit Value (Belgium)

| | | |
|-----------------------|--------------------------------------|-----------------------------------|
| Ethyl-2-cyaanacrylaat | Short time value | - ppm - mg/m ³ |
| | Time-weighted average exposure limit | 0.2 ppm 1.04 mg/m ³ |

TLV (USA)

| | | |
|---------------------|--------------------------------------|---------|
| Ethyl cyanoacrylate | Short time value | - ppm |
| | Time-weighted average exposure limit | 0.2 ppm |

Limit Value (UK)

| | | |
|---------------------|--------------------------------------|----------------------------------|
| Ethyl cyanoacrylate | Short time value | 0.3 ppm 1.5 mg/m ³ |
| | Time-weighted average exposure limit | - ppm - mg/m ³ |

8.1.2 Sampling methods:

| Product name | Test | Number | Sampling method | Remarks |
|-----------------------|------|--------|------------------|---------|
| Ethyl 2-Cyanoacrylate | OSHA | 55 | adsorption tubes | |

8.2 Exposure controls:

8.2.1 Occupational exposure controls:

Measure the concentration in the air regularly

Carry operations in the open/under local exhaust/ventilation or with respiratory protection

Personal protective equipment:

- Respiratory protection:
Wear gas mask with filter type A if conc. in air > exposure limit
- Hand protection:
Gloves
- Eye protection:
Face shield
- Skin protection:
Protective clothing

8.2.2 Environmental exposure controls:

See headings 6.2, 6.3 and 13

9. Physical and chemical properties

9.1 General information:

| | |
|---------------|----------------------|
| Physical form | Liquid |
| Odour | Characteristic odour |
| Colour | Colourless |

9.2 Important health, safety and environmental information:

| | |
|-------------------------|----------|
| Boiling point | > 200 °C |
| Flashpoint | 87 °C |
| Relative density | 1.1 |
| Relative vapour density | > 2 |

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| | |
|-------------------|------------------|
| Dynamic viscosity | (20 °C) 2.5 Pa.s |
|-------------------|------------------|

9.3 Other information:

| | |
|---------------|-------------------|
| Melting point | No data available |
|---------------|-------------------|

10. Stability and reactivity

10.1 Conditions to avoid:

Possible fire hazard

heat sources

Stability

Unstable on exposure to moisture

Unstable on exposure to air

Reactions

May polymerize on exposure to water (moisture)

And on exposure to (strong) bases: release of heat

Reacts with amines

And (strong) oxidizers

10.2 Materials to avoid:

(strong) bases

oxidizing agents

amines

water/moisture

10.3 Hazardous decomposition products:

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide)

11. Toxicological information

11.1 Acute toxicity:

No (test)data on the mixture available.

11.2 Chronic toxicity:

Not listed in carcinogenicity class (IARC,EC,TLV,MAK)

Not listed in mutagenicity class (EC,MAK)

Not classified as toxic to reproduction (EC)

11.3 Acute effects/symptoms:

Inhalation:

Irritation of the respiratory tract

Irritation of the nasal mucous membranes

Skin contact:

Tingling/irritation of the skin

Eye contact:

Irritation of the eye tissue

11.4 Chronic effects:

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:

Respiratory difficulties

12. Ecological information

12.1 Ecotoxicity:

No (test)data on the mixture available.

12.2 Mobility:

Volatile organic compounds (VOC)

0 %

Solubility in/reaction with water

Literature reports: insoluble in water

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12.3 Persistence and degradability:

Biodegradability in water: no data available

12.4 Bioaccumulative potential:

No bioaccumulation data available

12.5 Results of PBT assessment:

Not applicable, based on available data

12.6 Other adverse effects:

Not dangerous for the ozone layer (1999/45/EC)

13. Disposal considerations

13.1 Provisions relating to waste:

Waste material code (Directive 2008/98/EC, decision 2001/118/EC)

08 04 09* : waste adhesives and sealants containing organic solvents or other dangerous substances

Depending on branch of industry and production process, also other EURAL codes may be applicable

Hazardous waste according to Directive 2008/98/EC

13.2 Disposal methods:

Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery

Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste.

Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.

Remove waste in accordance with local and/or national regulations

Use appropriate containment to avoid environmental contamination

13.3 Packaging/Container:

Waste material code packaging (Directive 2008/98/EC)

15 01 10* : packaging containing residues of or contaminated by dangerous substances

14. Transport information

ADR

| | |
|--|-------------|
| Transport | Not subject |
| UN number | - |
| Class | |
| Packing group | |
| Hazard identification number | |
| Classification code | |
| Labels | |
| Environmentally hazardous substance mark | no |

RID

| | |
|--|-------------|
| Transport | Not subject |
| UN number | - |
| Class | |
| Packing group | |
| Classification code | |
| Labels | |
| Environmentally hazardous substance mark | no |

ADN

| | |
|---------------------|-------------|
| Transport | Not subject |
| UN number | - |
| Class | |
| Packing group | |
| Classification code | |

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| | |
|--|----|
| Labels | |
| Environmentally hazardous substance mark | no |

IMO

| | |
|--|-------------|
| Transport | Not subject |
| UN number | - |
| Class | |
| Packing group | |
| Labels | |
| Marine pollutant | |
| Environmentally hazardous substance mark | no |

ICAO

| | |
|--|-------------|
| Transport | Not subject |
| UN number | - |
| Class | |
| Packing group | |
| Labels | |
| Environmentally hazardous substance mark | no |

15. Regulatory information

15.1 EU Legislation:

DSD/DPD

Classification according to directives 67/548/EEC, 1999/45/EC and 2006/8/EC



Irritant

Contains: ethyl 2-cyanoacrylate

R-phrases

| | |
|----------|---|
| 36/37/38 | Irritating to eyes, respiratory system and skin |
|----------|---|

S-phrases

| | |
|-------|--|
| 23 | Do not breathe vapour |
| 24/25 | Avoid contact with skin and eyes |
| 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice |
| (46) | (If swallowed, seek medical advice immediately and show this container or label) |

Additional recommendations

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

15.2 National provisions:

The Netherlands

Waterbezwaarlijkheid (for NL)

No data available

Waste identification other lists of waste materials

LWCA (the Netherlands): KGA category 03

Germany

WGK

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Classification water polluting according to external literature source

16. Other information

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The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question.

Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult your BIG licence agreement for details.

(*) = INTERNAL CLASSIFICATION (NFPA)

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive
DPD Dangerous Preparation Directive
CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

Full text of any R-phrases referred to under headings 2 and 3:

| | |
|-----------|---|
| R36/37/38 | Irritating to eyes, respiratory system and skin |
|-----------|---|

Full text of any H-statements referred to under headings 2 and 3:

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

Full text of any classes referred to under headings 2 and 3:

| | |
|-------------|--|
| Eye Irrit. | Eye irritation |
| Skin Irrit. | Skin irritation |
| STOT SE | Specific target organ toxicity - single exposure |