

**SAFETY DATA SHEET**  
according to 830/2015/EC, 28.05.2015



date of writing: 2012-05-12  
update: 2018-01-08

**Cyanoacrylate Remover**

**SECTION 1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Trade name **Cyanoacrylate Remover**  
Article number P-093

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

identified uses: Cyanoacrylate Remover  
uses advised against: -

**1.3. Details of the supplier of the safety data sheet**

Manufacturer: NALMAT-Trzebinia  
Marian Krzyworzeka  
ul. Kościuszki 88  
32-540 Trzebinia  
tel. +48 32 612 10 10  
fax. +48 32 612 10 66  
[www.technicqll.pl](http://www.technicqll.pl) [office@technicqll.pl](mailto:office@technicqll.pl)  
[jakosc@technicqll.pl](mailto:jakosc@technicqll.pl)

**1.4. Emergency telephone number:**

+ 48 (032) 711 53 27 during normal office hours - Monday - Friday 6.00am - 2.00pm  
112

**SECTION 2. Hazards identification**

**2.1. Classification of the substance or mixture**

Human health hazards: Causes serious eye irritation.

Environmental hazards: -

Physical and chemical hazards: -

**2.2. Label elements**

Warning symbol:



**WARNING**

H319 – Causes serious eye irritation.

P102 – Keep out of reach of children.

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

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

P337+ P313 – If eye irritation persists: Get medical advice/attention.

P501 – Dispose of contents/container to a mine waste dump.

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**2.3. Other hazards**

PBT – lack of information concerning fulfilment of the criteria in accordance with annex XIII of Reach Directive.  
vPvB - lack of information concerning fulfilment of the criteria in accordance with annex XIII of Reach Directive.

**SECTION 3. Composition/information on ingredients**

**3.1. Substance: -**

**3.2. Mixtures**

Description	CAS	EC	REACH No	Content %	Classification
DMSO	67-68-5	200-664-3	01-2119431362-50-0000	>20	-
Propylene carbonate	108-32-7	203-572-1	01-2119537232-48-0000	>80	Eye Irrit 2, H319

**SECTION 4. First aid measures**

**4.1 Description of first aid measures**

After eye contact: In case of contact with eyes, immediately flush them with plenty of water for at least 15 min. Eyelids should be held away from eyeballs to ensure thorough rinsing. If irritation persists, contact a doctor.

After skin contact: Before washing with water and soap, remove the adhesive with a dry cloth or a paper towel. Seek medical advice if irritating develops. Bonded fingers should be carefully separated in a stream of warm water. Do not separated cured adhesive from skin using force.

After inhalation: Remove victim to fresh air. In case of difficulty in breathing, seek medical advice. In case of unconsciousness the victim should be transported in side position.

After swallowing: Do not eat! Rinse mouth several times with water. Consult a doctor showing this MSDS. Do not induce vomiting.

**4.2. Most important symptoms and effects, both acute and delayed: No data.**

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

The decision of the method of further procedure should be made by a doctor after exact assessment of victim's conditions.

**SECTION 5. Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media: CO<sub>2</sub>, powder, foams resistant to alcohols, atomized water jet.

Unsuitable extinguishing media: high volume water jet.

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

May be produced irritating vapours of organic substances.

**5.3. Advice for firefighters**

Special protective equipment: protective clothes and self-contained breathing apparatus.

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**SECTION 6. Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

For persons not belonging to the staff removing the results of accident: Limit access of outsiders to the accident area until cleaning operation is finished. Avoid pollution of eyes and skin. Ensure good ventilation.

**6.2. Environmental precautions:**

Do not allow the product to reach sewage system, ground water. If possible, remove spillage. Protect sink basins.

**6.3. Methods and material for containment and cleaning up:**

Cover small quantities of the spilled product with incombustible, absorptive material e.g. sand, diatomite, take up and collect in a closed and suitable labelled containers.

**6.4. Reference to other sections**

Information concerning safe holding – section / chapter 7.

Information concerning personal protective equipment - section / chapter 8.

Information concerning utilisation - section / chapter 13.

**SECTION 7. Handling and storage**

**7.1. Precautions for safe handling:**

**Handling and storage:**

Work in accordance with the principle of occupational health and safety. Work in well ventilated rooms. Avoid ignition sources, higher temperatures, hot surfaces and naked fire. Avoid contacts with skin and eyes. Do not swallow. Unused packages should be kept tightly closed.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in cold, dry and well ventilated rooms in closed original containers at: -15°C - +20°C. Store away from food. Protect from sun rays. The lower temperatures of storage the higher life of the adhesive. Do not store near ignition sources. Do not smoke.

**7.3. Specific end use(s)**

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

The personal protection media should fulfil the requirements of instructions of the Cabinet of 21.12.2005 (Dz. U. No. 259, pos. 2173) Directive 89/686/WE (together with later changes). The employer is obliged to ensure measures of personal protection suitable for activities that are made and their cleaning and maintenance.

**8.1. Control parameters**

Ingredients with limit values that require monitoring at the work place.

Exposure control	NDS [mg/m <sup>3</sup> ]	NDSCH [mg/m <sup>3</sup> ]
-	-	-

**8.2. Exposure controls**

Observe the general rules of hygiene and safety. Ensure good ventilation in a work place. During work, do not eat, drink and smoke tobacco. Wash hands before breaks and at the end of work. Avoid contacts with eyes.

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**Breathing equipment:**

Avoid breathing vapours. In case of short term contact with the mixture – the general ventilation of rooms. In case of prolonged and intensive contact – a device to protect inhalation system independent on the environmental air (breathing mask with an absorbent of vapours containing a suitable filter)

**Protection of hands:**

Gloves must be made of material that has to be impermeable and resistant to the action of the preparation. This material has to be checked prior to its application. It is recommended that the gloves should be changed regularly and also when they have any symptoms of their wear, damage or changes appearance, colour, elasticity, form and so on.

**Eye protection:**

Protective glasses.

**Protection of body:**

Working clothes.

**SECTION 9. Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state	Liquid
Density	0,96- 1,0 g /cm <sup>3</sup>
Oxidizing properties	No data
Boiling point	> 200°C
Solubility in esters and ketones	No data
Odour	characteristic
Solubility in water	Insoluble
Explosive properties	No data
Dynamic viscosity at 20°C	2,8 mPs
Flash point	> 130°C
Temperature of self-ignition	> 400°C
Colour	Colorless
Pressure of par at 20°C	0,04 hPa

**9.2. Other information**

No data

**SECTION 10. Stability and reactivity**

**10.1. Reactivity**

No data.

**10.2. Chemical stability**

The product is stable if it is correctly stored and handled.

**10.3. Possibility of hazardous reactions**

Reactions with oxidising agents.  
Reactions with strong acids.

**10.4. Conditions to avoid**

Avoid naked fire, higher temperatures, hot surfaces. Low temperatures increase live of adhesive.

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**10.5. Incompatible materials**

No data.

**10.6. Hazardous decomposition products**

No data.

**SECTION 11. Toxicological information**

**11.1. Information on toxicological effects**

In eye contact	Causes serious eye irritation.
After swallowing	Irritates mucous membrane of oral cavity, throat and farther segments of ingestion system.

For DMSO

Acute oral toxicity	LD50 – 28300 mg/kg (rat – OECD 401)
Acute inhalation toxicity	LC50 – 5,33 mg/l/4h ( rat– aerosol OECD 401)
Acute dermal toxicity	LD50 – 40000 mg/kg (rat )

For Propylene carbonate:

Acute oral toxicity	LD50 > 5000 mg/kg (rat)
Acute dermal toxicity	LD50 > 3000 mg/kg rabbit )
Acute inhalation toxicity	LC50 – 1 mg/l/6h (rat)

**SECTION 12. Ecological information**

**12.1. Toxicity**

For DMSO:

Toxicity to fish: IC50 > 25000 mg/l/96h (Danio rerio , OECD 203)  
Acute toxicity for Dafni: EC50 – 24600 mg/l/48h ( Daphnia magna, OECD 202)  
Toxicity to microorganisms: EC10 – 7100 mg/l/16 h ( Pseudomonas Putida)  
Acute toxicity for algae: EC50 – 17000 mg/l/72h ( OECD 201)  
Chronic toxicity: aquatic plants: LC50 390-4020 mg/l/ 14 days (Algae)

For Propylene carbonate:

Ecotoxicity to fish: LC50 > 1000 mg/l/96h – (Sheepshead minnow)  
Ecotoxicity for invertebrates: LC50 >1000 mg/l/48h – Daphnia (Marine copopod )

**12.2. Persistence and degradability**

For DMSO:

Degree of biodegradation: 31% after 28 days according to OECD 301D  
Degree of biodegradation: 90.4% after 32 days according to OECD 303E

**12.3. Bioaccumulative potential**

For DMSO:

Log Pow=-1,35

For Propylene carbonate:

BCF: 3,0

The product has no potential for bioaccumulation

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**12.4. Mobility in soil**

For DMSO:  
log Koc=0,64

**12.5. Results of PBT and vPvB assessment**

PBT                      Lack of information concerning fulfilment of criteria in accordance with Annex XIII of Reach Directive.  
vPvB                     Lack of information concerning fulfilment of criteria in accordance with Annex XIII of Reach Directive.

**12.6. Other adverse effects**

No data.

**SECTION 13. Disposal considerations**

**13.1. Waste treatment methods**

Do not allow to reach sewage system. Store in original packaging. Utilize in accordance with suitable regulations.

Waste code:

**08 04 09**                Waste adhesives and sealants containing organic solvents or other dangerous substations.  
**15 01 10**                Packaging containing residues of dangerous substations or contaminated with them.

**EU Legal Instruments**

Directives of European Parliament and Council 2006/12/EC and 94/62/EC ,Directive of Council 91/689/EEC

**SECTION 14. Transport information**

**14.1. UN-Number:**

The product does not create any threat in transport. It is not subject to RID/ADR regulations. It can be transported in any means of transport in hermetically closed packages.

<b>Land transport ADR/RID and GGVSEB (international/state)</b>	Class ADR/RID- GGVSEB
<b>Sea transport IMDG/VSee:</b>	Class IMDG/VSee
<b>Air transport ICAO – TI I IATA – DGR:</b>	Class ICAO/IATA

**14.2. Proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Hazards to environment**

Not applicable.

**14.6. Special precautions for user**

While handling the cargo, apply personal protection measures according to section 8.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

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**SECTION 15. Regulatory information**

**15.1. Legislation related to safety, health and environment protection specific for substance or mixture:**

The regulation of European Parliament and Council (EC) no. 1907/2006 of 18 December 2006 concerning the registration, evaluation, authorization and restriction of chemicals (REACH), for establishing the European Chemical Agency, changing the directive 1999/45/EC and cancelling the regulation of EEC) no.793/93 and the regulation of Committee(EC) no.1488/94, as well as the directive of council 76/769/EEC and the directives of Committee 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC,

The regulation of European Parliament and Council (EC) no.1272/2008 of 16 December 2008 concerning the classification, labelling and packing the substances and mixtures, changing and cancelling the directives 67/548/EEC and 1999/45/EC and changing the regulation (EC) no.1907/2006

The regulation of Committee (EC) no.790/2009 of 10 August 2009 adopting to the scientific and technological progress the regulation of European Parliament and Council (EC) no 1272/2008 of 16 December 2008 concerning the classification, labelling and packing the substances and mixtures

The regulation 453/2010/EU Council of 10.05.2010 changing the regulation no. 1907/2006/EU of European Parliament and Council concerning the registration, estimation, granting permissions and suitable limits in the range of chemicals (REACH)

The directive of European Parliament and Council no.2006/12/EC of 5 April 2006 concerning waste.

The directive of Council no. 91/689/EEC of 12 December 1991 concerning dangerous waste.

The directive of European Parliament and Council no 94/62/EU. of 20 December 1994 concerning packaging and packaging waste.

**15.2. Estimation of chemical safety:**

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**SECTION 16. Other information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**MSDS developed by NALMAT Trzebinia**