

Version 1.0

Date of preparation: 19.02.2020

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier** “FASTER” - fast universal glue**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses: Cyanoacrylate adhesive sticks very tightly in a few seconds: glass, metals, wood, rubber, stone and most plastics.

Uses advised against: Not specified.

**1.3. Details of the supplier of the safety data sheet**Producer\ supplier: MEDOS Marian Buławka, Ewa Buławka Sp.j  
Poland; PL 86-200 Chełmno;  
ul. Magazynowa 3 Street  
NIP 875 10 02 162 ; tel. 56 691 20 79E-mail address of the person responsible for the SDS: [medos@medos.pl](mailto:medos@medos.pl)**1.4. Emergency telephone number** 112 (emergency call)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Classification according to 1272/2008/EC:

Hazards to human health:

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**

Label accordance with Regulation 1272/2008/EC

Pictograms:

Signal words: **WARNING**

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Supplemental hazard information:**

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

**Precautionary statements:**

General

**P102** Keep out of reach of children.

Prevention

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

Response

**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.

**P332+P313** If skin irritation occurs: Get medical advice/ attention.

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

**The names of hazardous ingredients on the label:** ethyl 2-cyanoacrylate

**2.3. Other hazards**

No information on meeting the criteria for PBT or vPvB in accordance with Annex XIII of Regulation 1907/2006 (REACH). Tests have not been carried out.

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

**3.1. Substances**

Not applicable.

**3.2. Mixtures**

Chemical name	Identifier	Classification CLP		Content [wt %]
		Hazard Class and Category Code(s)	Hazard statement Code(s)	
ethyl 2-cyanoacrylate	<b>CAS:</b> 7085-85-0 <b>EC:</b> 230-391-5 <b>Indeks:</b> 607-236-00-9 <b>REACH:</b> 01-2119527766-29-0000	Eye Irrit. 2	H319	90-100
		Skin Irrit. 2	H315	
		STOT SE 3	H335	
		Specific Concentration limits (CLP): STOT SE 3; H335: C ≥ 10 %		

In section 16 stated the importance of H-phrases and symbols.

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**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

Route of exposure: Inhalation, ingestion, skin contact, eye contact.

**In case of skin contact:**

- Remove the product from the skin with a dry cloth or paper towel. Then clean contaminated skin with plenty of soap and water.
- If skin irritation or rash occurs: Get medical advice/attention.
- The fingers that are stuck together must be carefully separated under a stream of lukewarm water. Do not peel off any adhesive remaining on the skin using force.

**In case of eye contact:**

- Remove any contact lenses. Flush eyes with a plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 15 minutes. Cover the eyes with a compress.
- If eye irritation persists: Get medical advice/attention.

**If inhaled:**

- Move the affected person to fresh air and keep in a comfortable position for breathing.
- If the person is unconscious, arrange and transport the victim in a side position.
- If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

**If swallowed:**

- Do not induce vomiting.
- Rinse mouth with water.
- In case of alarming symptoms seek medical advice.

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

Inhalation: May cause respiratory irritation. Asthma may occur as a result of repeated exposure.

Ingestion: May cause gastrointestinal irritation including oral and throat mucosa.

Skin contact: Causes skin irritation. May produce an allergic reaction and inflammation.

Eye contact: Causes serious eye irritation. May cause mechanical damage to the cornea.

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

In the workplace should be available measures to allow immediate first aid. First aiders should wear medical gloves. The decision about the procedure is made by the doctor after assessing the victim's condition.

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

Carbon dioxide CO<sub>2</sub>, extinguishing foam, extinguishing powders, water spray.

**Unsuitable extinguishing media:**

Full water jet.

**5.2. Special hazards arising from the substance or mixture****Combustion products:**

In case of fire hazardous products may irritating organic vapors be formed.

**5.3. Advice for firefighters**

- Use standard chemical firefighting methods.
- Precipitate vapors with dispersed streams of water.
- Do not allow extinguishing media to get into sewage system and watercourses.

#### Fire brigade protective equipment:

- Self-contained breathing apparatus (self-contained breathing apparatus (SCBA) with a full-face mask under positive pressure).
- Wear PVC shoes, gloves and a helmet and protective clothing.
- Protective equipment: No special measures required.

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## SECTION 6: Accidental release measures

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

- Wear appropriate personal protective equipment.
- Access of non-emergency personnel to the area of accident should be restricted until the completion of the disposal of the product.
- Ensure adequate ventilation.
- Avoid contact with skin and eyes.

### 6.2. Environmental precautions

- Prevent contamination of environment.
- Secure the gullies.
- In the event of any serious pollution of the environment, notify the appropriate administrative authority, control and rescue services.

### 6.3. Methods and material for containment and cleaning up

- Remove all potential sources of ignition.
- Do not eat, drink, smoke or take drugs at work.
- Secure damaged packaging.
- Ventilate the affected area.
- In the event of a small leak, collect the product using non-combustible absorbent materials (e.g.: diatomaceous earth, dry sand).
- Collected product put in a substitute container and direct to the destruction.

### 6.4. Reference to other sections

Disposal - see Section 13. Personal protective equipment - see Section 8.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Recommendations when working with a mixture:

- Avoid contact with skin and eyes.
- Prevent penetration into the sewage system.
- Keep away from sources of ignition - No smoking.
- Ensure adequate ventilation at the workplace.
- Avoid sources of ignition, high temperature, hot surfaces and open flame.

- Mandatory general regulations on occupational health:
  - ✓ Do not eat, drink, smoke or take drugs at work.
  - ✓ Remove contaminated clothing.
  - ✓ Wash contaminated clothing before reuse.
  - ✓ Wash hands and face before break and after working with the product.

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

- Use adequate efficient ventilation at the workplace
- Store only in the original container.
- Keep container tightly closed.
- Store in dry, cool place and well-ventilated place.
- Recommended storage temperature: 5 °C to 25 °C.
- Keep away from food, drink and animal feeding stuffs.
- Protect from direct sunlight.
- Avoid contact with strong oxidants, strong acids.

### Advice on protection against fire and explosion:

- Do not use near open flame.

## 7.3. Specific end use(s)

Fast universal glue (SECTION 1, 1.2).

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Ordinance on maximum permissible concentration and intensity of harmful factors in the work environment in accordance with national limit values.

EH40/2005 Workplace exposure limits, fourth edition, published 2020, ISBN 978 0 7176 6733 8.

Substance name	Identifier	TWA [mg/m <sup>3</sup> ]	STEL [mg/m <sup>3</sup> ]	BLV
Ethyl cyanoacrylate	CAS: 7085-85-0	-	1.5 (UK)	not established

**Monitoring procedures:** Use methods described in European Standards.

Name of the substance (Identifier)	Group / type of exposure	DNEL value
Ethyl cyanoacrylate (CAS: 7085-85-0)	Industrial workers - inhalation; long-term, local effects	9.25 mg / m <sup>3</sup>
	Industrial workers - inhalation; long-term, systemic effects	9.25 mg / m <sup>3</sup>
	Consumers - inhalation; long-term, local effects	9.25 mg / m <sup>3</sup>

	Consumers - inhalation; long-term, systemic effects	9.25 mg / m <sup>3</sup>
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Name of the substance (Identifier)	LOAEL value
Ethyl cyanoacrylate (CAS: 7085-85-0)	4.6 mg / m <sup>3</sup>

## 8.2. Exposure controls

### Appropriate engineering controls:

Use adequate efficient ventilation in the workplace.

### Individual protection measures

#### Eye/face protection:



Avoid contact with eyes when handling the product.

In case of direct contact, wear non-fogging safety goggles (in accordance with EN 166).

#### Skin Protection:



#### Hands protection:

Avoid contact with skin. When using the product in a professional activity, assuming frequent or long-term exposure, use hand protection selected according to the working conditions. For this purpose, chemical resistant protective gloves should be used in accordance with EN 374. Due to the lack of testing, no recommendation can be given regarding material for protective gloves. Information on the breakthrough time should be obtained from the glove manufacturer. Glove material should be selected considering breakthrough time, permeation rate and degradation. It is recommended to regularly change gloves and immediately replace them if there are any signs of wear, damage (tearing, perforation) or changes in appearance (color, elasticity, shape). Apply protective cream to exposed parts of the body.

#### Body protection:

Wear suitable protective work clothing.

**Respiratory protection:**



Avoid breathing vapors of the product. In the case of short or low exposure use a respiratory filter device. In case of intensive or prolonged exposure use a respiratory protective with independent air circulation (breathing mask with vapor absorber complete with appropriate filter).

**General safety and hygiene tips:**

Mandatory general regulations on occupational health.

**Thermal Hazards:**

Not applicable.

**Biological monitoring:**

Not specified.

**Environmental exposure controls**

Do not allowed into sewage or groundwater.

No obligation to perform regular measurements of the amount of emissions into the environment. It is recommended to follow the basic principles of using machines and devices. To reduce emissions to an acceptable level, in some cases, will be needed scrubbers to remove fumes, filters or structural modifications to process equipment.

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**SECTION 9: Physical and chemical properties**

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

Appearance:	Liquid
Color:	Colorless
Odour:	Specific
Odour threshold:	No data
pH:	No data
Melting point/freezing point:	Not specified
Initial boiling point and boiling range:	150 °C
Flash point:	> 81 °C
Evaporation rate:	No data
Flammability (solid, gas):	No data
Upper/lower flammability or explosive limits:	-
Vapour pressure:	No data
Vapour density:	No data
Relative density:	1.0 g / cm <sup>3</sup>
Solubility:	Insoluble in water; Soluble in acetone
Partition coefficient: n-octanol/water:	No data





**Respiratory or skin sensitization:**

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

**Germ cell mutagenicity:**

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

**Carcinogenicity:**

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

**Reproductive toxicity:**

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

**STOT-single exposure:**

May cause respiratory irritation.

**STOT-repeated exposure:**

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

**Aspiration hazard:**

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

**Route of exposure:**

Inhalation, ingestion, skin contact, eye contact.

Inflammation of the skin has been observed in people using adhesives containing ethyl cyanoacrylate. Acute irritant effects on respiratory mucosa and respiratory sensitization have been observed in workers using adhesives containing ethyl cyanoacrylate for automotive products.

The concentration of the compound at workplaces was 4.6 mg / m<sup>3</sup> (NIOSH, quoted after NTP). Ethyl cyanoacrylate in the form of an adhesive was applied to the optic nerve and cortex base of the frontal lobe of cats and rabbits. Histopathological examination was performed at months 3, 6 and 12 of the experiment. Fibrous dermatitis and mild meningitis with low inflammation and damage to blood vessels (NTPs) have been found. The compound can cause mechanical damage to the cornea.

Contact eczema and positive occlusion tests have been found in people using adhesives containing ethyl cyanoacrylate. A case of asthma has also been described in a 32-year-old man who used 1-year glue containing ethyl cyanoacrylate for gluing aircraft models. Occupational asthma has also been reported in employees producing various household, automotive and industrial products. The concentration of ethyl cyanoacrylate in the air at workplaces reached levels up to 1.6 mg / m<sup>3</sup> (NTP).

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**SECTION 12: Ecological information****12.1. Toxicity**

Not specified.

**12.2. Persistence and degradability**

Not specified.

**12.3. Bioaccumulative potential**

It has the potential to bioaccumulate.

**12.4. Mobility in soil**

No further relevant information available.

General tips:

Do not allow to enter ground water, surface water or sewage system.

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

PBT: Not applicable.

vPvB: Not applicable.

**12.6. Other adverse effects**

No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

During removal of waste comply with the regional/national laws.

#### Community legislation:

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended.

#### Disposal methods

- Do not store with municipal waste.
- Disposal in accordance with the local/national legislation.
- Empty containers give for appropriate rubbish dump or for disposal in accordance with the local/national legislation.
- Do not allow product to reach sewage system.

#### Waste code:

**08 04 09\*** waste adhesives and sealants containing organic solvents or other hazardous substances.

#### Packaging waste code:

**15 01 10\*** packaging containing residues of or contaminated by hazardous substances.

## SECTION 14: Transport information

		ADR/RID	IMGD	IATA
14.1.	UN number	Not applicable, the product is not classified as hazardous during transport.		
14.2.	UN proper shipping name	Not applicable, the product is not classified as hazardous during transport.		
14.3.	Transport hazard class(es)	Not applicable, the product is not classified as hazardous during transport.		
	Warning sticker number 2	Not applicable, the product is not classified as hazardous during transport.		
	Classification code	Not applicable, the product is not classified as hazardous during transport.		
14.4.	Packing group	Not applicable, the product is not classified as hazardous during transport.		
14.5.	Environmental hazards	Not applicable, the product is not classified as hazardous during transport.		
14.6.	Special precautions for user	Not applicable, the product is not classified as hazardous during transport.		
14.7.	Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable, the product is not classified as hazardous during transport.		

## SECTION 15: Regulatory information

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

The safety data sheet has been prepared on the basis of:

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended.

Commission directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

### 15.2. Chemical safety assessment

The Chemical Safety Assessment has been performed for the substance.

## SECTION 16: Other information

The full text of statements H under Sections 2 and 3:

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Eye Irrit. 2	Serious eye damage/eye irritation, Hazard Category 2.
Skin Irrit. 2	Skin corrosion/irritation, Hazard Category 2.

STOT SE 3	Specific target organ toxicity — Single exposure, Hazard Category 3, Respiratory tract irritation.
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Key to abbreviations and acronyms:

<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road.
<b>BLV</b>	Biological Limit Value.
<b>CAS</b>	Unique identifier of chemical substances ( <i>Chemical Abstracts Service</i> ).
<b>EC number</b>	EC number means one of the three numbers listed below: <ul style="list-style-type: none"> <li>• the number assigned to the substance in the European List of Existing Commercial Substance Substances (EINECS),</li> <li>• the number assigned to the substance in the European List of Notified Substances (ELINCS),</li> <li>• number in the list of chemicals listed in the European Commission's publication "No-longer polymers" (NLP).</li> </ul>
<b>IATA</b>	International Air Transport Association.
<b>LC<sub>50</sub></b>	Median lethal concentration.
<b>LD<sub>50</sub></b>	Median lethal dose.
<b>PBT</b>	Substance persistent, toxic and bioaccumulative.
<b>RID</b>	The Regulation concerning the International Carriage of Dangerous Goods by Rail.
<b>STEL</b>	Short-Term Exposure Limit.
<b>TWA</b>	Time Weighted Average.
<b>UN number</b>	Material identification number (ONZ number, UN number).
<b>vPvB</b>	Very persistent and very bioaccumulative substance.

**Classification according to Regulation 1272/2008/EC:**

**Classification**

Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
STOT SE 3; H335

**Classification procedure:**

Calculation method  
Calculation method  
Calculation method

**Other information:**

The product described in the safety data sheet should be stored and used in accordance with good industrial practice and in accordance with all legal regulations.

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer.

They are neither a quality description of the product nor a guarantee of particular features. They are also treated as aid to safety in transport, storage and usage of the product. This does not free the user from the responsibility of improper usage of the information above also of improper compliance with the law norms in the field.

The user is responsible for creating conditions for the safe use of the product and it is the user who takes responsibility for the consequences of incorrect use of this product.

**Training:**

Before working with the product, it is mandatory to subject employees to health and safety training due to the presence of chemical agents in the work environment. Conduct, document and familiarize employees

with the results of occupational risk assessment in the workplace related to the occurrence of chemical agents.

Prepared by ISOTOP Consulting Company; [www.isotop.pl](http://www.isotop.pl); e-mail: [reach@isotop.pl](mailto:reach@isotop.pl)

This SDS replaces and annuls all the previous versions.