

**MITREAPEL CYANOACRYLATE
ADHESIVE****SECTION 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY****1.1 Product Identifier****Trade Name:** MitreApel Cyanoacrylate Adhesive**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against****Mixture Uses:** Adhesive**1.3 Details of the Supplier of the Safety Data Sheet**


Beta Kimya Sanayi ve Ticaret A.Ş.

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www.apeltutkal.com – msds@apeltutkal.com**1.4 Emergency Telephone Number****Emergency Phone Number** : 114 National Poison Information Center**Working Hours** : Weekdays 08:00-18:00 (Turkey Time)**SECTION 2. HAZARDS IDENTIFICATION****2.1 Classification of the substance/mixture**

The mixture meets the criteria for classification in accordance with Regulation (EC) No. 1272/2008.

2.2 Hazards Identification

Hazard Pictograms:			
	GHS07		
Signal Words:	Warning		
Hazard Statements	H319 H335 H315	Causes serious eye irritation. May cause respiratory irritation. Causes skin irritation.	
Precautionary Statements	P 261 P280 P302+P352 P332+P313 P337+P313 P405 P501	Avoid breathing dust/fume/gas/mist/vapours/spray. Wear protective gloves/ clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Store locked up. Dispose of contents/container to ...	

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Additional information	EUH202	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
For full text of Hazard- and EU Hazard-statements: see SECTION 16.		

2.

3 Other Hazards

The mixture does not meet the criteria for PBT or vPvB in accordance with the Annex XIII in the Regulation (EC) No. 1272/2008. Based on current knowledge, the mixture does not include greater than 0,1% the ratio of PBT or vPvB substances.

SECTION 3. COMPOSITION ON INGREDIENTS

3.2 Mixtures

General chemical description:

Rapid Adhesive

Base substances of preparation:

Cyanoacrylate,

Declaration of the ingredients according to CLP (EC) No 1272/2008:

CAS No.	EC No.	Concentration	Classification
Ethyl 2-Cyanoacrylate 7085-85-0	230-391-5	%80 - %100	Eye Irr. 2;H319 STOT Single Exp. 3;H335 Skin Irr. 2;H315

See the Section 16 for the full text of the H- and P- Statements.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Skin Contact: Do not pull bonded skin apart. Soak in warm soapy water and then gently peel apart using a blunt instrument such as a spoon. In rare cases a large drop would cause a burn. Burns should be treated normally after the adhesive has been removed from the skin. Get medical attention.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, seek medical advice in case of necessity.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. If eyelids are bonded closed, do not force eye open. Get medical attention.

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Ingestion: Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making impossible to swallow. Product will separate after a few hours.

4.2 Most important symptoms and effects, both acute and delayed

Serious eye irritation. Serious rash and swelling on skin. Irritation nose and throat.

4.3 Indication of any immediate medical attention and special treatment needed

See the Section 8 .

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media: All common extinguishing agents are suitable. Foam, carbon dioxide, dry powder.
Extinguishing media which must not be used for safety reasons: High pressure water jet.

5.2 Special Hazards Arising From the Substance or Mixture

In case of fire toxic gases can be released. Don't inhale the combustion products.

5.3 Advice For Firefighters

Use personal protective fireproof clothing and respirator face mask

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel

Use personal protective equipment. Provide ventilation. Keep away from igniting sources. Keep away from naked flame or any incandescent material.

For Emergency Responders

Wear personal protective fireproof clothing.

6.2 Environmental Precautions

Do not empty into drains or water. Disposal of the chemicals must be made according to official regulations.

6.3 Methods and Material For Containment and Cleaning Up

Flood with water to complete polymerization and scrape off the floor. Dispose of contaminated material as waste according to Section 13.

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6.4 Reference to Other Sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions For Safe Handling

Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mists. Do not drink, eat and smoke in the working area. Wash hands thoroughly after handling,

7.2 Conditions For Safe Storage, Including Any Incompatibilities

Keep in a cool, well-ventilated area in original container
Away from heat, sparks and open flame.
Keep containers closed safely and check periodically in case leakage and spilling.
Protect containers from physical damage.

Keep only in the original container

7.3 Specific end use(s)

Adhesive

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

According to EH 40/2009 WELs :

EC No.	CAS No.	Component	TWA	STEL
230-391-5	7085-85-0	Ethyl-2-Cyanoacrylate	-	1,5 mg/m ³

8.2 Exposure Controls

Appropriate Engineering Controls:

Ensure good ventilation. Apply the all common precautions while working with chemicals.

Respiratory protection:

In case of dust formation, we recommend wearing of appropriate respiratory protection equipment with particle filter P. This recommendation should be matched to local conditions.

Hand protection:

Wear refractive gloves while working with the hot melt.

Eye protection:

Wear protective goggles

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Skin protection:

Wear protective equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information On Basic Physical And Chemical Properties

Appearance	: Liquid
Color	: Colorless
Odor	: Irritating
pH	: Not Applicable
Melting/ Freezing Point	: Not Applicable
Initial Boiling Point	: 150°C
Boiling Range	: Not Applicable
Flash Point	: 85°C
Evaporation Rate	: Not Applicable
Flammability of Solids and Gases	: Not Applicable
Explosive Limit	: Not Applicable
Vapour Density	: Not Applicable
Vapour Pressure	: 0,293 mmHg
Density 25°C	: 1,05 ±0,01 kg/m ³
Solubility	: Insoluble in water reacts with water. Soluble in acetone.
Partition Coefficient (n-octanol/water)	: Not Applicable
Auto-ignition temperature	: Not Applicable
Decomposition Temperature	: Not Applicable
Viscosity	: Not Applicable
Explosive Properties	: Not Applicable
Oxidizing Properties	: Not Applicable

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 under recommended storage conditions.

**MITREAPEL CYANOACRYLATE
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See section reactivity

10.4 Conditions to avoid

None if used for intended purpose.

10.5 Incompatible materials

None if used properly.

10.6 Hazardous decomposition products

At higher temperatures carbon oxides may be released.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Informations of Toxicological Effects**

Based on available data, the classification criteria are indicated below:

Sensitization:

An allergic reaction cannot be excluded after repeated skin contact

Corozion/Irritation:**Inhalation:** May cause respiratory tract irritation. Exposure to vapors above the established exposure limit results in respiratory irritation, which may lead to difficulty in breathing and tightness in the chest.**Skin Contact:** May cause skin irritation. Bonds skin in seconds. Cyanoacrylates have been reported to cause allergic reaction but due to rapid polymerization at the skin surface, an allergic response is rare. Cyanoacrylates generate heat on solidification. In rare circumstances a large drop will burn the skin. Cured adhesive does not present a health hazard even if bonded to the skin.**Eye Contact:** Irritating to eyes. Causes excessive tearing. Eyelids may bond.**General Toxicology Information:**

EC No.	CAS No.	Component	Limiting Values
230-391-5	7085-85-0	Ethyl-2-Cyanoacrylate	0,3 ppm; STEL 0,2 ppm; TWA

Acute Toxicology:

EC No.	CAS No.	Component	Toxicity
230-391-5	7085-85-0	Ethyl-2-Cyanoacrylate	LC50 (rat) : >5000 mg/kg (inhale)

**MITREAPEL CYANOACRYLATE
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The material is not biodegradable so, do not allow spreading soil, waterways or waste water canal.

12.1. Toxicity

EC No.	CAS No.	Component	Toxicity
230-391-5	7085-85-0	Ethyl-2-Cyanoacrylate	LC50 (rat) : >5000 mg/kg (inhale)

12.2. Persistence and degradability

EC No.	CAS No.	Component	Biodegradable
230-391-5	7085-85-0	Ethyl-2-Cyanoacrylate	- (% 57)

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

Based on current knowledge, the mixture does not include greater than 0,1% the ratio of PBT or vPvB substances.

12.6. Other adverse effects

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

If it is possible, try to reuse the mixture. In consultation with the responsible local authority, must be subjected to special treatment. Disposal of the products must be made according to official regulations.

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According to the directive 2008/98/EC on waste management and the local regulation (02.04.2015 dated- No.29314) the waste code is:

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

SECTION 14. TRANSPORT INFORMATION**14.1. UN Number**

Not hazardous according to RID, ADR, ADN, IMDG.

IATA-DGR :UN 3334

14.2. UN Proper Shipping Name

Not hazardous according to RID, ADR, ADN, IMDG.

IATA-DGR : Aviation regulated liquid, n.o.s (Cyanoacrylate ester)

14.3. Transport Hazard Class(es)

Not hazardous according to RID, ADR, ADN, IMDG,

IATA-DGR :9

14.4. Packaging Group

Not hazardous according to RID, ADR, ADN, IMDG.

IATA-DGR :III

14.5. Environmental Hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.6. Special Precautions For User

Not hazardous according to RID, ADR, ADN, IMDG.

IATA-DGR :Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.

14.7. Transport In Bulk According to Annex II of Marpol and The IBC Code

Not applicable.

**MITREAPEL CYANOACRYLATE
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According to EC directive on health and safety precautions while working with chemicals (2009/161/EU) and Directive on Carcinogens or mutagens at work (2004/37/EC) there are no limitations on the products and materials.

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16. OTHER INFORMATION

This document was prepared according to December 13, 2014 dated and 29204 numbered regulations regarding 1272/2008/EC guideline.

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

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