

MITREAPEL CYANOACRYLATE ADHESIVE

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Date/No:
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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.
BOSB Aydınli Mah. 1 No.lu Cad. No:11 Tuzla - Istanbul/TÜRKİYE - 0216 593 90 97(Tel.) - 0216 593 90 98 (Fax)
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1.4 Emergency Telephone Number

Emergency Phone Number : +90 216 593 90 97
Working Hours : Weekdays 08:00-18:00 (Turkey Time)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture

GHS-US classification:

Skin corrosion/irritation, Category 2	Causes skin irritation.
Serious eye damage/eye irritation, Category 2	Causes serious eye irritation.
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	May cause respiratory irritation.

2.2 Hazards Identification

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Hazard Pictograms:			
Signal Words:	Warning		
Hazard Statements	Causes serious eye irritation. May cause respiratory irritation. Causes skin irritation.		
Precautionary Statements	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 hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.		
Additional Information	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.		

2.3 Other Hazards

Physical Hazards	Not applicable.
Health Hazards	Skin Irritation, Cat 2; Eye Irritation, Cat 2; STOT SE, Cat 3.
Environmental Hazards	Not applicable.

SECTION 3. COMPOSITION ON INGREDIENTS

3.2 Mixtures

General chemical description:

Rapid Adhesive

Base substances of preparation:

Cyanoacrylate. Mixture of substances listed below with nonhazardous additions.

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Declaration of the ingredients according to Occupational Safety&Health Administration Standard-29 CFR 1910.1200.:

Ingredients	CAS No.	EC No.	Concentration	GHS-US Classification
Ethyl 2-Cyanoacrylate	7085-85-0	230-391-5	%80 - %100	Eye Irr. 2 STOT Single Exp. 3 Skin Irr. 2

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General Information: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Skin Contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Seek medical treatment and present this data sheet.

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.

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

Potential adverse human health effects and symptoms :

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

Symptoms/effects after inhalation :

May cause respiratory irritation.

Symptoms/effects after skin contact :

Causes skin irritation.

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

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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

No additional information available.

5.3 Advice For Firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

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.

6.4 Reference to Other Sections

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

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SECTION 7. HANDLING AND STORAGE

7.1 Precautions For Safe Handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Hygiene Measures : Wash hands, forearms and face thoroughly after handling.

7.2 Conditions For Safe Storage, Including Any Incompatibilities

Keep container tightly closed.
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.
Dont store with strong bases and strong acids.

Keep only in the original container

7.3 Specific end use(s)

Adhesive

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

EC No.	CAS No.	Component	TWA	STEL
230-391-5	7085-85-0	Ethyl-2-Cyanoacrylate	-	1 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:

Tested protective gloves are to be worn: Suitable material: Synthetic rubber gloves. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Eye protection:

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Wear protective goggles

Skin protection:

Wear protective equipment. Do not use PVC, rubber, cotton or nylon gloves.

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.

10.3 Possibility of hazardous reactions

See section reactivity

10.4 Conditions to avoid

None if used for intended purpose. Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials

Strong acids and strong bases.

10.6 Hazardous decomposition products

At higher temperatures carbon oxides may be released.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Informations of Toxicological Effects

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	LD50 (oral) : >5000 mg/kg (rat) LD50 (Dermal) : >2000 mg/m ³ (rabbit)

Skin Corrosion/Irritation: *Causes skin irritation.*

EC No.	CAS No.	Component	Toxicity
230-391-5	7085-85-0	Ethyl-2-Cyanoacrylate	Rabbit; 24h; Slightly irritating

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.

Serious Eye Damage/Irritation: *Causes serious eye irritation.*

EC No.	CAS No.	Component	Toxicity
230-391-5	7085-85-0	Ethyl-2-Cyanoacrylate	Rabbit; 72h; Slightly irritating

Irritating to eyes. Causes excessive tearing. Eyelids may bond.

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.

Respiratory or skin sensitisation : Not classified
 Germ cell mutagenicity : Not classified
 Carcinogenicity : Not classified
 Reproductive toxicity : Not classified
 STOT-single exposure : May cause respiratory irritation
 STOT-repeated exposure : Not classified

Aspiration hazard : Not classified
Potential adverse human health effects and symptoms :Based on available data, the classification criteria are not met.
Symptoms/effects after inhalation : May cause respiratory irritation

SECTION 12. ECOLOGICAL INFORMATION

General Ecological Information:

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

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

EC No.	CAS No.	Component	Persistence
230-391-5	7085-85-0	Ethyl-2-Cyanoacrylate	logKow 0.776 (@20°C)

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.

Product/Packaging disposal recommendations:

Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials :
Avoid release to the environment.

SECTION 14. TRANSPORT INFORMATION

14.1. UN Number

IATA-DGR / DOT : UN 3334
IMDG : 3334
ADR/RID : 1993

14.2. UN Proper Shipping Name

ADR/RID : COMBUSTIBLE LIQUIDS, N.O.S (Cyanoacrylate ester)
IMDG, IATA-DGR and DOT : Aviation regulated liquid, n.o.s (Cyanoacrylate ester)

14.3. Transport Hazard Class(es)

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

ADR / RID : 3
IATA-DGR : 9 - Miscellaneous Dangerous Goods
IMDG : 9 - Miscellaneous Dangerous substances and articles
DOT : 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140

Hazard Label (DOT)



14.4. Packaging Group

ADR/RID : III
IMDG : None
IATA-DGR : III

14.5. Environmental Hazards

No data available.

14.6. Special Precautions For User

No data available according to RID, ADR, ADNR, IMDG.

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

DOT Packaging : 204
Non Bulk (49 CFR 173.xxx)

DOT Symbols : A - Material is regulated as a hazardous material only when transported by air, G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102) : A35 - This includes any material which is not covered by any of the other classes but which has an anesthetic, narcotic, noxious or other similar properties such that, in the event of spillage or leakage on an aircraft, extreme annoyance or discomfort could be caused to crew members so as to prevent the correct performance of assigned duties. A189 - Except where the defining criteria of another class or division are met, concentrations of formaldehyde solution: a. With less than 25 percent but not less than 10 percent formaldehyde, must be described as UN3334, Aviation regulated liquid, n.o.s; and b. With less than 10 percent formaldehyde, are not subject to this subchapter.

DOT Packaging Exceptions : 155

(49 CFR 173.xxx)
 DOT Quantity : 450 L
 Limitations
 Passenger
 aircraft/rail
 (49 CFR 173.27)
 DOT Quantity : 450 L
 Limitations Cargo
 aircraft only
 (49 CFR 175.75)
 DOT Vessel : A - The material may be stowed "on deck" or "under deck" on a
 Stowage Location cargo vessel and on a passenger vessel.
 Emergency : 171
 Response Guide
 (ERG) Number

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

Not applicable.

SECTION 15. REGULATORY INFORMATION

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

OSHA Hazard Communication Standards, 29 CFR 1910.1200
 United States TSCA Inventory, (TSCA)

15.2. Chemical safety assessment

US Federal Reg. : No additional information available
 US State Reg. : No additional information available
 CANADA : No additional information available
 EU-Regulations : No additional information available
 National regulations : No additional information available

SECTION 16. OTHER INFORMATION

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
 Revision date : 11/24/2018.

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

SDS US (GHS HazCom 2012)

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