

**MITRE ADHESIVE PART A**  
Supersedes Date: 20-Oct-2017

Revision Date 20-Oct-2017  
Version 1

**Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product Identifier**

**Product Name** MITRE ADHESIVE PART A  
**Pure substance/mixture** Mixture

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

**Recommended use** Cyanoacrylate containing adhesive.  
**Uses advised against** None known

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

**Company Name**

Bostik Limited  
Common Rd  
ST16 3EH  
Stafford UK  
Tel: +44 (1785) 27 26 25  
Fax: +44 (1785) 25 72 36

**E-mail address** SDS.box-EU@bostik.com

**1.4. Emergency telephone number**

<b>United Kingdom</b>	+44 (1785) 272650
<b>Ireland</b>	+353 (1) 8624900 (Monday- Friday 9am-5pm)

**Section 2: HAZARD IDENTIFICATION**

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

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

<b>Skin Corrosion/Irritation</b>	Category 2 - (H315)
<b>Serious eye damage/eye irritation</b>	Category 2 - (H319)
<b>Specific target organ toxicity (single exposure)</b>	Category 3 - (H335)

**2.2. Label Elements**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Contains Ethyl cyanoacrylate



**Signal Word**  
WARNING

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## Hazard statements

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

## Special provisions concerning the labelling of certain mixtures

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

## Precautionary Statements - EU (§28, 1272/2008)

P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P264 - Wash hands thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves and eye/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  
P310 - Immediately call a POISON CENTER or doctor/physician  
P337 + P313 - If eye irritation persists: Get medical advice/attention  
P405 - Store locked up  
P501 - Dispose of contents/ container to an approved waste disposal plant

## 2.3. Other Hazards

### General Hazards

No information available.

### PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bio-accumulating nor toxic (PBT) or to be very persistent or very bioaccumulating (vPvB)

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Mixture

### 3.2 Mixtures

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Ethyl cyanoacrylate	230-391-5	7085-85-0	80 - 100	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335)	STOT SE 3 :: C>=10%	01-2119527766-29 -XXXX

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General Advice

If medical advice is needed, have product container or label at hand.

#### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get

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medical attention if symptoms occur.

## Skin Contact

If skin irritation persists, call a doctor. Wash off immediately with soap and plenty of water. Do not pull bonded skin apart.

## Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Hold eyelids apart and consult an physician. Do not force eyes or any bonded skin apart.

## Ingestion

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).

**Self-Protection of the First Aider** Prevent skin contact.

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

### Symptoms

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

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

### Note to doctors

Skin which is glued or stuck together by accident should never be surgically removed. Even without any special treatment, it is only a matter of time until cyanoacrylate glues come off one's skin, eyes, or mouth, due to the effect of skin moisture, sweat, tears, or saliva. The effect can be supported by water and soap and/or use of fatty protective skin lotion or oil.

## **Section 5: FIRE-FIGHTING MEASURES**

### 5.1. Extinguishing media

#### Suitable Extinguishing Media

Carbon dioxide (CO<sub>2</sub>). Alcohol resistant foam. Extinguishing powder. Water spray or fog.

#### Unsuitable Extinguishing Media

Strong water jet

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

Thermal decomposition can lead to release of toxic/corrosive gases and vapours. Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Do not allow run-off from fire-fighting to enter drains or water courses.

## **Section 6: ACCIDENTAL RELEASE MEASURES**

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

#### Personal Precautions

Use personal protection equipment. Avoid contact with skin, eyes or clothing.

#### For emergency responders

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

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

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**Methods for Containment** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

**Methods for cleaning up** Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up. Take precautionary measures against static discharges.

## 6.4. Reference to other sections

**Reference to other sections** Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION  
Section 13: DISPOSAL CONSIDERATIONS

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Advice on safe handling

No special precautions are needed in handling this material. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Fire prevention measures. No special measures are necessary.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash it before reuse.

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

#### Storage Conditions

Keep container tightly closed in a cool, well-ventilated place. Keep out of reach of children. Store at temperatures not exceeding .?1 °C/ .?2 °F.

### 7.3. Specific end use(s)

#### Specific Use(s)

Adhesives. Observe technical data sheet.

#### OTHER INFORMATION

Recommendation(s). Observe technical data sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Chemical Name	European Union	Ireland	United Kingdom
Ethyl cyanoacrylate 7085-85-0	-	TWA: 0.2 ppm STEL: 0.6 ppm	STEL: 0.3 ppm STEL: 1.5 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2. Exposure controls

**Engineering Controls** None under normal use conditions.

#### Personal Protective Equipment

##### Eye/Face Protection

Wear safety glasses with side shields (or goggles). Eye protection must conform to standard EN 166.

##### Hand Protection

Wear suitable gloves. Gloves must conform to standard EN 374. Recommended Use:.

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## Skin and Body Protection Respiratory Protection

Nitrile rubber. Butyl rubber. Break through time. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 480 min.  
Wear suitable protective clothing.  
None under normal use conditions.

**Environmental Exposure Controls** Do not allow uncontrolled discharge of product into the environment.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical State	Liquid
Appearance	Liquid
Colour	Colourless
Odour	Acrid
Odour Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6 - 7	
Melting point / freezing point	No information available	
Boiling Point	> 150 °C / 302 °F	
Flash Point	> 85 °C / > 185 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	Not applicable for liquids
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapour Pressure	No information available	
Vapour Density	No information available	
Relative Density	No information available	
Water Solubility	No information available	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Autoignition Temperature	No information available	
Decomposition Temperature	No information available	
Explosive Properties	No information available	
Explosive Limits	No information available	
Upper	No information available	
Lower	No information available	
Oxidising Properties	No information available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	

### 9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
Solvent content (%)	No information available
Solid content (%)	No information available
Density	1.1 g/cm <sup>3</sup>
Bulk Density	No data available
VOC content (%)	

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Product cures with moisture.

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## 10.2. Chemical stability

Polymerisation can occur. Do not expose to temperatures exceeding 25°C/77 °F.

### Explosion Data

Sensitivity to Mechanical Impact None.  
Sensitivity to Static Discharge None.

## 10.3. Possibility of hazardous reactions

### **Possibility of Hazardous Reactions**

None known.

## 10.4. Conditions to avoid

None known if handled according to instructions.

## 10.5. Incompatible materials

Exothermic reaction with. Water. Strong oxidising agents. alkali. Amines.

## 10.6. Hazardous decomposition products

None under normal use and recommended storage conditions.

## **Section 11: TOXICOLOGY INFORMATION**

### 11.1. Information on toxicological effects

#### Information on likely routes of exposure

##### **Product Information**

No information or data specific to the product on this toxicological (health) effect is available.

<b>Inhalation</b>	No data available.
<b>Eye contact</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>Ingestion</b>	No data available.
<b>Sensitisation</b>	None known.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin Corrosion/Irritation</b>	Irritant effect on the skin.
<b>Serious eye damage/eye irritation</b>	Irritant effect on the eyes.
<b>Sensitisation</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Aspiration hazard</b>	Not applicable.

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## Numerical measures of toxicity

### Acute Toxicity

## Component Information

**Toxicity Data** Data obtained on the component(s) include

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl cyanoacrylate 7085-85-0	> 5000 mg/kg ( Rat ) OECD 401	>2000 mg/Kg (Rabbit) OECD 402	< 21.1 mg/L ( Rat ) 1 h

## **Section 12: ECOLOGICAL INFORMATION**

### 12.1. Toxicity

**Ecotoxicity** Classification is shown in section 2 of this SDS

### Component Information

Data obtained on the component(s) include

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

**Partition coefficient** No information available

### 12.4. Mobility in soil

**Mobility in soil** No information available.

### 12.5. Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bio-accumulating nor toxic (PBT). or to be very persistent or very bioaccumulating (vPvB).

### 12.6. Other adverse effects

No information available

### **Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors.

## **Section 13: DISPOSAL CONSIDERATIONS**

### 13.1. Waste treatment methods

**Waste from Residues/Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

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**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**OTHER INFORMATION** Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORTATION INFORMATION

### ADR

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

### IMDG

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine Pollutant	Np
14.6 Special Provisions	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

### RID

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

### ICAO (air)

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

### IATA

14.1 UN/ID no	Not regulated
14.2 Proper Shipping Name	Not regulated
14.3 Hazard Class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None

## Section 15: REGULATORY INFORMATION

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work



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## Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

### **EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

### **EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

### **Persistent Organic Pollutants**

Not applicable

## 15.2. Chemical safety assessment

None

## **Section 16: OTHER INFORMATION**

### **Key or legend to abbreviations and acronyms used in the safety data sheet**

#### **Full text of H-Statements referred to under section 3**

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

#### **Legend**

SVHC: Substances of Very High Concern for Authorisation:

#### **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average)

STEL

STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

\*

Skin designation

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

STOT (RE): Specific target organ toxicity - Repeated exposure

STOT (SE): Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

#### **Key literature references and sources for data**

Classification and labeling data calculated from data received from raw material suppliers

**Prepared By** Product Safety & Regulatory Affairs

**Revision Date** 20-Oct-2017

#### **Indication of changes**

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**Revision Note** Not applicable.

**Training Advice** When working with hazardous materials, regular training of operators is required by law

**Additional information** No information available

**This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006**

## **Disclaimer**

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.

**End of Safety Data Sheet**