# SAFETY DATA SHEET

MITRE MATE ADHESIVE



**Compilation date:** 21/02/2014

**Revision date:** 12/01/2018

**Revision No:** 3

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** MITRE MATE ADHESIVE

**Index number:** 01-005-460

**Product code:** MITRE MATE ADH

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

**Use of substance / mixture:** Cyanoacrylate adhesive

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

**Company name:** Chemence Ltd
Princewood Road
Earlstree Industrial Estate
Corby
Northants
NN17 4XD
United Kingdom

**Tel:** +44 (0) 1536 402 600

**Fax:** +44 (0) 1536 400 266

**Email:** technical@chemence.com

### 1.4. Emergency telephone number

**Emergency tel:** +44 (0) 1536 402 600 (9am - 5.30pm)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture according to Regulation (EC) No. 1272/2008

**Classification under CLP:** STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315; -: EUH202

**Most important adverse effects:** Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
EUH202: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

[cont...]

**Hazard pictograms:** GHS07: Exclamation mark

**Signal words:** Warning

**Precautionary statements:** * P261: Avoid breathing vapours.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves / eye protection.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical advice/attention.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

*** Hazardous ingredients:**

ETHYL-2-CYANOACRYLATE - REACH registered number(s): 01-2119527766-29-...

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|---|---|---|---|---|
| 230-391-5 | 7085-85-0 | - | Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315 | >90% |

HYDROQUINONE

| | | | | |
|---|---|---|---|---|
| 204-617-8 | 123-31-9 | - | Carc. 2: H351; Muta. 2: H341; Acute Tox. 4: H302; Eye Dam. 1: H318; Skin Sens. 1: H317; Aquatic Acute 1: H400 | <0.1% |

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Do not pull bonded skin apart. Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Any bonded skin should be gently peeled apart, preferably after soaking in warm, soapy water. In the case of large spills on the skin, superficial burns may occur - treat accordingly. If irritation persists, obtain medical attention.

**Eye contact:** * Bathe the eye with running water for 15 minutes. If the eyelid is bonded closed, do not force open. Cover with wet pad soaked in warm water. Get prompt medical attention, in case solid particles of cured cyanoacrylate trapped behind the eye cause any abrasive damage. Keep eye covered with wet pad until debonding is complete, usually 1-3 days. (Cyanoacrylate will bond to eye protein, causing a lachrymatory effect that aids debonding). Transfer to hospital for specialist examination.

[cont...]

**Ingestion:** The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard. Ensure breathing passages are not obstructed. Saliva will separate the solidified product from the mouth over a period of hours. Consult a doctor.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Remove casualty from exposure ensuring one's own safety whilst doing so. If symptoms persist, Consult a doctor.

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

**Skin contact:** Cyanoacrylates bond skin in seconds. In the case of large spills on the skin, superficial burns may occur - treat accordingly. There may be irritation and redness at the site of contact.

**Eye contact:** Cyanoacrylates bond eyelids in seconds. There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Alcohol resistant foam. Dry chemical powder. Carbon dioxide. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Evacuate the area immediately. Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

[cont...]

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. (do not use cloths). Transfer to a closable, labelled salvage container for disposal by an appropriate method. Or polymerise slowly with water (~10:1, adhesive : water) and then scrape up.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Ambient humidity should be >35% to minimise discomfort.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep away from direct sunlight. Keep container tightly closed. Keep away from sources of ignition. Refrigerated storage (2 - 8oC) is recommended for optimum shelf-life.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** Adhesive

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**ETHYL-2-CYANOACRYLATE**

**Workplace exposure limits:** **Respirable dust**

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|---|---|---|---|---|
| UK | - | 1.5 mg/m3 | - | - |

**HYDROQUINONE**

| | | | | |
|---|---|---|---|---|
| UK | 0.5 mg/m3 | - | - | - |

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.

[cont...]

**Respiratory protection:** If WEL is likely to be exceeded, respiratory protective equipment will be needed. Gas/vapour filter, type A: organic vapours (EN141). Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** * Nitrile gloves. Breakthrough time of the glove material > 1 hour. (thickness 0.15mm). Viton gloves.

**Eye protection:** Safety glasses with side-shields. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Acrid

**Evaporation rate:** Negligible

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Reacts with water.

**Also soluble in:** Acetone.

**Viscosity:** * Viscous

**Kinematic viscosity:** 1500 cPs

**Viscosity test method:** Rotational viscometer

**Boiling point/range°C:** >150

**Flash point°C:** >85

**Part.coeff. n-octanol/water:** est.<1

**Vapour pressure:** ~0.04mmHg @25oC

**Relative density:** 1.10

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions. Polymerises rapidly with water.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Polymerisation may occur on exposure to conditions or materials listed below. Polymerisation can be rapid.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Direct sunlight. Moist air. Humidity.

[cont...]

### 10.5. Incompatible materials

**Materials to avoid:** Water. Alkalis. Amines. Alcohols. Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

**ETHYL-2-CYANOACRYLATE**

| | | | | |
|---|---|---|---|---|
| ORL | RAT | LD50 | >5 | ml/kg |

**HYDROQUINONE**

| | | | | |
|---|---|---|---|---|
| ORL | MUS | LD50 | 150 | mg/kg |
| ORL | RAT | LD50 | 720 | mg/kg |
| SCU | RAT | LDLO | 300 | mg/kg |

**Relevant hazards for product:**

| Hazard | Route | Basis |
|---|---|---|
| Skin corrosion/irritation | DRM | Hazardous: calculated |
| Serious eye damage/irritation | OPT | Hazardous: calculated |
| STOT-single exposure | INH | Hazardous: calculated |

### Symptoms / routes of exposure

**Skin contact:** Cyanoacrylates bond skin in seconds. In the case of large spills on the skin, superficial burns may occur - treat accordingly. There may be irritation and redness at the site of contact.

**Eye contact:** Cyanoacrylates bond eyelids in seconds. There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. The product will polymerise immediately in the mouth, making it almost impossible to swallow, but beware of possible choking hazard.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

[cont...]

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Considered to be very low due to rapid polymerisation with water.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company. Or polymerise slowly with water (10:1, adhesive : water). Hardened product can be disposed of in land-fill sites by licensed contractors.

**Waste code number:** 08 04 09

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN3334

### 14.2. UN proper shipping name

**Shipping name:** AVIATION REGULATED LIQUID, N.O.S. (ETHYL-2-CYANOACRYLATE)

### 14.3. Transport hazard class(es)

**Transport class:** 9

### 14.4. Packing group

**Packing group:** III

### 14.5. Environmental hazards

**Environmentally hazardous:** No **Marine pollutant:** No

[cont...]

### 14.6. Special precautions for user

## Section 15: Regulatory information

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

**Specific regulations:** Not applicable.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** * This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.
This safety data sheet is prepared in accordance with Commission Regulation (EC) No 1272/2008.
- The Classification, Labelling and Packaging Regulations (The "CLP" Regulations)
* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH202: Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H341: Suspected of causing genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H400: Very toxic to aquatic life.

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