



## SAFETY DATA SHEET

EN710 INHIBITED CURED  
PU CLEANER

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Compilation date: 11/02/2015

Revision date: 03/11/2022

Revision No: 2

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

#### 1.1. Product identifier

**Product name:** EN710 INHIBITED CURED PU CLEANER

**Product code:** T1984

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

**Use of substance / mixture:** \* PC35: Washing and cleaning products (including solvent based products).

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

**Company name:** Bio8 Industrial Ltd

McGregors Way

Hasland

Chesterfield

S40 2WB

UK

**Tel:** 01246 733196

**Fax:** 01246 733196

**Email:** info@bio8.co.uk

#### 1.4. Emergency telephone number

**Emergency tel:** 01246 733196

(office hours only)

### Section 2: Hazards identification

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

**Classification under CLP:** Eye Dam. 1: H318; -: EUH208

**Most important adverse effects:** Contains (r)-p-mentha-1,8-diene. May produce an allergic reaction. Causes serious eye damage.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** EUH208: Contains (r)-p-mentha-1,8-diene. May produce an allergic reaction.

H318: Causes serious eye damage.

**Hazard pictograms:** GHS05: Corrosion



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**Signal words:** Danger

**Precautionary statements:** P280: Wear protective gloves/protective clothing/eye protection/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 POISON CENTER/doctor/first aid.

**Haz. ingredients (label):** 2-AMINOETHANOL

## 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:

DIMETHOXYMETHANE - REACH registered number(s): 01-2119664781-31

| EINECS    | CAS      | PBT / WEL  | CLP Classification | Percent |
|-----------|----------|--|--------------------|---------|
| 203-714-2 | 109-87-5 | Substance with a Community workplace exposure limit. | Flam. Liq. 2: H225 | 1-10%   |

L-(+)-LACTIC ACID - REACH registered number(s): 01-2119474164-39

|           |         |   |                                       |       |
|-----------|---------|---|---------------------------------------|-------|
| 201-196-2 | 79-33-4 | - | Skin Irrit. 2: H315; Eye Dam. 1: H318 | 1-10% |
|-----------|---------|---|---------------------------------------|-------|

ETHYL (S)-2-HYDROXYPROPIONATE - REACH registered number(s): 01-2119516234-49-0000

|           |          |   |   |       |
|-----------|----------|---|---|-------|
| 211-694-1 | 687-47-8 | - | Flam. Liq. 3: H226; STOT SE 3: H335; Eye Dam. 1: H318 | 1-10% |
|-----------|----------|---|---|-------|

2-AMINOETHANOL - REACH registered number(s): 01-2119486455-28-XXXX

|           |          |   |   |       |
|-----------|----------|---|---|-------|
| 205-483-3 | 141-43-5 | - | Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314 | 1-10% |
|-----------|----------|---|---|-------|

(R)-P-MENTHA-1,8-DIENE - REACH registered number(s): 01-2119529223-47

|           |           |   |   |     |
|-----------|-----------|---|---|-----|
| 227-813-5 | 5989-27-5 | - | Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317 | <1% |
|-----------|-----------|---|---|-----|

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

[cont...]

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**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:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes.

### 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:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS.  
Turn leaking containers leak-side up to prevent the escape of liquid.

### 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. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 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.

[cont...]

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

## 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**DIMETHOXYMETHANE**

**Workplace exposure limits:**

**Respirable dust:**

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|------------|--------------|------------|--------------|
| EU    | -          | -            | 1000ppm    | -            |

**2-AMINOETHANOL**

|    |                       |                       |   |   |
|----|-----------------------|-----------------------|---|---|
| UK | 2.5 mg/m <sup>3</sup> | 7.6 mg/m <sup>3</sup> | - | - |
|----|-----------------------|-----------------------|---|---|

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Tightly fitting safety goggles. 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:** Pleasant

**Evaporation rate:** Negligible

**Oxidising:** Not applicable.

**Solubility in water:** Slightly soluble

**Also soluble in:** Most organic solvents.

**Viscosity:** No data available.

**Boiling point/range°C:** >100

**Melting point/range°C:** Not applicable.

**Flammability limits %: lower:** No data available.

**upper:** Nodata available.

**Flash point°C:** >70

**Part.coeff. n-octanol/water:** Nodata available.

**Autoflammability°C:** No data available.

**Vapour pressure:** No data available.

**Relative density:** 1.070

[cont...]

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pH: Not applicable.

VOC g/l: No data available.

## 9.2. Other information

Other information: No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

Reactivity: Stable under recommended transport or storage conditions.

Chemical stability: Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces.

### 10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

#### DIMETHOXYMETHANE

|         |     |         |       |       |
|---------|-----|---------|-------|-------|
| ORAL    | RAT | LD50    | 6653  | mg/kg |
| ORAL    | RBT | LD50    | 5708  | mg/kg |
| VAPOURS | MUS | 4H LC50 | 57000 | mg/l  |
| VAPOURS | RAT | 4H LC50 | 15000 | mg/l  |

#### ETHYL (S)-2-HYDROXYPROPIONATE

|        |     |      |       |       |
|--------|-----|------|-------|-------|
| DERMAL | RBT | LD50 | ~5000 | mg/kg |
| ORAL   | RAT | LD50 | >2000 | mg/kg |

#### 2-AMINOETHANOL

|        |     |      |      |       |
|--------|-----|------|------|-------|
| DERMAL | RBT | LD50 | 1025 | mg/kg |
|--------|-----|------|------|-------|

[cont...]

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|         |     |         |     |       |
|---------|-----|---------|-----|-------|
| ORAL    | GPG | LD50    | 620 | mg/kg |
| VAPOURS | RAT | 4H LC50 | 520 | ppmV  |

## (R)-P-MENTHA-1,8-DIENE

|        |     |      |       |       |
|--------|-----|------|-------|-------|
| DERMAL | RBT | LD50 | >5000 | mg/kg |
| ORL    | MUS | LD50 | 5600  | mg/kg |
| ORL    | RAT | LD50 | 4400  | mg/kg |
| SCU    | MUS | LD50 | 3170  | mg/kg |

### Relevant hazards for product:

| Hazard                        | Route | Basis                 |
|-------------------------------|-------|-----------------------|
| Serious eye damage/irritation | OPT   | Hazardous: calculated |

### Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

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

## Section 12: Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

##### ETHYL (S)-2-HYDROXYPROPIONATE

|  |           |      |      |
|--|-----------|------|------|
| Daphnia magna                          | 48H EC50  | 683  | mg/l |
| GREEN ALGA (Selenastrum capricornutum) | 72H ErC50 | 2200 | mg/l |
| ZEBRAFISH (Brachydanio rerio)          | 96H LC50  | 320  | mg/l |

##### 2-AMINOETHANOL

|               |           |      |      |
|---------------|-----------|------|------|
| ALGAE         | 72H ErC50 | 2.8  | mg/l |
| Daphnia magna | 48H EC50  | 32.6 | mg/l |

##### (R)-P-MENTHA-1,8-DIENE

|         |          |      |      |
|---------|----------|------|------|
| DAPHNIA | 48H EC50 | 0.67 | mg/l |
| FISH    | 96H LC50 | 33   | mg/l |

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

[cont...]

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## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

## 12.4. Mobility in soil

**Mobility:** Non-volatile. Readily absorbed into soil. Heavier than 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.

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

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Specific regulations:** \* Not applicable.

**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.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH208: Contains (r)-p-mentha-1,8-diene. May produce an allergic reaction.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

[cont...]

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H318: Causes serious eye damage.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.