

**SAFETY DATA SHEET**  
(TILE DOCTOR) PROCLEAN

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Revision No: 2

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

**1.1. Product identifier**

**Product name:** (TILE DOCTOR) PROCLEAN

**Product code:** HC0724

**Synonyms:** HC0724 / TD

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

**Use of substance / mixture:** FOR PROFESSIONAL AND INDUSTRIAL USE ONLY. Water based heavy duty ink remover and hard surface cleaner.

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

**Company name:** MELPASS LIMITED  
Unit A 1-6 Farrington Close  
Burnley  
Lancashire  
BB11 5SH  
United Kingdom

**Tel:** 01282 831251

**Fax:** 01282 450456

**Email:** [info@melpass.co.uk](mailto:info@melpass.co.uk)

**1.4. Emergency telephone number**

**Emergency tel:** 0777 342 9963

**Section 2: Hazards identification**

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

**Classification under CHIP:** C: R34

**Classification under CLP:** Skin Corr. 1A: H314

**Most important adverse effects:** Causes burns.

**2.2. Label elements**

**Label elements under CLP:**

**Hazard statements:** H314: Causes severe skin burns and eye damage.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion



[cont...]

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**Precautionary statements:** P102: Keep out of reach of children.  
P260: Do not breathe vapours.  
P262: Do not get in eyes, on skin, or on clothing.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P302+352: IF ON SKIN: Wash with plenty of soap and water.

**Label elements under CHIP:**

**Hazard symbols:** Corrosive.



**Risk phrases:** R34: Causes burns.

**Safety phrases:** S2: Keep out of the reach of children.  
S23: Do not breathe spray.  
S24/25: Avoid contact with skin and eyes.  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.  
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**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:**

2 BUTOXY ETHANOL

| EINECS    | CAS      | CHIP Classification          | CLP Classification  | Percent |
|-----------|----------|------------------------------|---|---------|
| 203-905-0 | 111-76-2 | Xn: R20/21/22; Xi: R36/37/38 | Acute Tox. 4: H332; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Acute Tox. 4: H312; Acute Tox. 4: H302 | 1-10%   |

[cont...]

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SODIUM HYDROXIDE

|           |           |        |                     |       |
|-----------|-----------|--------|---------------------|-------|
| 215-185-5 | 1310-73-2 | C: R35 | Skin Corr. 1A: H314 | 1-10% |
|-----------|-----------|--------|---------------------|-------|

TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE

|           |         |                              |  |       |
|-----------|---------|------------------------------|--|-------|
| 200-573-9 | 64-02-8 | Xn: R20/22; Xi: R38; Xi: R41 | Acute Tox. 4: H332; Skin Irrit. 2: H315;<br>Eye Dam. 1: H318 | 1-10% |
|-----------|---------|------------------------------|--|-------|

TRIETHANOLAMINE

|           |          |   |   |       |
|-----------|----------|---|---|-------|
| 203-049-8 | 102-71-6 | Substance with a Community<br>workplace exposure limit. | - | 1-10% |
|-----------|----------|---|---|-------|

PRIMARY ALCOHOL ETHOXYLATE

|   |            |                  |                                      |       |
|---|------------|------------------|--------------------------------------|-------|
| - | 68439-45-2 | Xn: R22; Xi: R41 | Acute Tox. 4: H302; Eye Dam. 1: H318 | 1-10% |
|---|------------|------------------|--------------------------------------|-------|

DIMETHYL C12-C14 ALKYL BETAINES

|           |            |            |   |       |
|-----------|------------|------------|---|-------|
| 266-368-1 | 66455-29-6 | Xi: R36/38 | Skin Irrit. 2: H315; Eye Irrit. 2: H319 | 1-10% |
|-----------|------------|------------|---|-------|

**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.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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

[cont...]

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**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:** Corrosive. In combustion emits toxic fumes. Water based product. Advice relates to dry residues after water has evaporated.

**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:** If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. 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:** Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

**6.4. Reference to other sections**

**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.

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

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

**7.3. Specific end use(s)**

**Section 8: Exposure controls/personal protection**

[cont...]

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**8.1. Control parameters**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|------------|--------------|------------|--------------|
| UK    | 25ppm      | 50ppm        | -          | -            |

**Hazardous ingredients:**

**2 BUTOXY ETHANOL**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|------------|--------------|------------|--------------|
| UK    | 25ppm (Sk) | 50ppm (Sk)   | -          | -            |

**SODIUM HYDROXIDE**

|    |   |         |   |   |
|----|---|---------|---|---|
| UK | - | 2 mg/m3 | - | - |
|----|---|---------|---|---|

**TRIETHANOLAMINE**

|    |                   |   |   |   |
|----|-------------------|---|---|---|
| UK | 5 mg/m3 (no std.) | - | - | - |
|----|-------------------|---|---|---|

**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:** Impermeable gloves.

**Eye protection:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

**Section 9: Physical and chemical properties**

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Sweet-smelling

**Solubility in water:** Highly soluble

**Viscosity:** Non-viscous

**Boiling point/range°C:** 100-172

**Melting point/range°C:** 0

**Flammability limits %: lower:** 1.1

**upper:** 10.6

**Flash point°C:** >70

**Autoflammability°C:** >230

**Relative density:** 1.065

**pH:** 13.5 - 14.0

**VOC g/l:** 75

[cont...]

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**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

**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:**

**2 BUTOXY ETHANOL**

|     |     |      |      |       |
|-----|-----|------|------|-------|
| ORL | RAT | LD50 | 1746 | mg/kg |
|-----|-----|------|------|-------|

**SODIUM HYDROXIDE**

|     |     |      |     |       |
|-----|-----|------|-----|-------|
| IPR | MUS | LD50 | 40  | mg/kg |
| ORL | RBT | LDLO | 500 | mg/kg |

**TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE**

|        |     |      |      |       |
|--------|-----|------|------|-------|
| DERMAL | GPG | LD50 | 5000 | mg/kg |
| ORL    | RAT | LD50 | 3030 | mg/kg |

**TRIETHANOLAMINE**

|     |     |      |     |      |
|-----|-----|------|-----|------|
| ORL | RAT | LD50 | >2  | g/kg |
| SKN | RBT | LD50 | >10 | g/kg |

[cont...]

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**PRIMARY ALCOHOL ETHOXYLATE**

|     |     |      |          |       |
|-----|-----|------|----------|-------|
| IHL | RAT | LC50 | >5       | mg/l  |
| ORL | RAT | LD50 | 200-2000 | mg/kg |
| SKN | RAT | LD50 | >2000    | mg/kg |

**DIMETHYL C12-C14 ALKYL BETAINES**

|     |     |      |       |       |
|-----|-----|------|-------|-------|
| ORL | RAT | LD50 | >2000 | mg/kg |
|-----|-----|------|-------|-------|

**Relevant effects for mixture:**

| Effect      | Route       | Basis                 |
|-------------|-------------|-----------------------|
| Corrosivity | OPT INH DRM | Hazardous: calculated |

**Symptoms / routes of exposure**

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

**Section 12: Ecological information**

**12.1. Toxicity**

**Hazardous ingredients:**

**2 BUTOXY ETHANOL**

|  |          |      |      |
|--|----------|------|------|
| RAINBOW TROUT ( <i>Oncorhynchus mykiss</i> ) | 96H LC50 | 1474 | mg/l |
|--|----------|------|------|

**TETRA-SODIUM ETHYLENEDIAMINE TETRA-ACETATE**

|      |          |      |      |
|------|----------|------|------|
| FISH | 96H LC50 | >100 | mg/l |
|------|----------|------|------|

**TRIETHANOLAMINE**

|      |          |       |      |
|------|----------|-------|------|
| FISH | 48H EC50 | 1390  | mg/l |
| FISH | 96H LC50 | >5000 | mg/l |

**PRIMARY ALCOHOL ETHOXYLATE**

|      |          |      |      |
|------|----------|------|------|
| FISH | 96H LC50 | 1-10 | mg/l |
|------|----------|------|------|

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable. The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

[cont...]

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**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Readily absorbed into soil. Volatile. Soluble in 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 of packaging:** Dispose of as normal industrial waste. Clean with water.

**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:** UN1719

**14.2. UN proper shipping name**

**Shipping name:** CAUSTIC ALKALI LIQUID, N.O.S.  
(2 BUTOXY ETHANOL; SODIUM HYDROXIDE)

**14.3. Transport hazard class(es)**

**Transport class:** 8

**14.4. Packing group**

**Packing group:** III

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Section 15: Regulatory information**

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

**15.2. Chemical Safety Assessment**

**Section 16: Other information**

[cont...]



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**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

**IMPORTANT NOTE:**

Risk phrases in this section below relate to the INDIVIDUAL COMPONENTS in the formulation when used at their FULL CONCENTRATIONS, and not at the reduced levels in the mixed product.

See sections 2 and 3 for the calculated hazard and risk phrases for the blended product.

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.  
H312: Harmful in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
R20/22: Harmful by inhalation and if swallowed.  
R22: Harmful if swallowed.  
R34: Causes burns.  
R35: Causes severe burns.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R36/38: Irritating to eyes and skin.  
R38: Irritating to skin.  
R41: Risk of serious damage to eyes.

**Legend to abbreviations:** PNEC = predicted no effect level  
DNEL = derived no effect level  
LD50 = median lethal dose  
LC50 = median lethal concentration  
EC50 = median effective concentration  
IC50 = median inhibitory concentration  
dw = dry weight  
bw = body weight  
cc = closed cup  
oc = open cup  
MUS = mouse  
GPG = guinea pig  
RBT = rabbit  
HAM = hamster  
HMN = human

[cont...]

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MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

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