

**SAFETY DATA SHEET**  
Bowstar Cleaner Degreaser Concentrate

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**Compilation date:** 01/08/2010  
**Revision date:** 01/04/2015  
**Revision No:** 6

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

**1.1. Product identifier**

**Product name:** Bowstar Cleaner Degreaser Concentrate

**Product code:** 87.1004

**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:** GPP Hygiene LLP

Bowcare House

Stephenson Drive

Waterwells

Gloucester

GL2 2AG

UK

**Tel:** +44 (0) 8455 193155

**Fax:** +44 (0) 08455 193166

**Email:** sales@gpphygiene.co.uk

**1.4. Emergency telephone number**

**Emergency tel:** NHS 111

NHS Direct Wales 08454647

ROI 01 809 2166

(office hours only)

**Section 2: Hazards identification**

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

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

**Most important adverse effects:** Causes severe skin burns and eye damage.

**2.2. Label elements**

**Label elements:**

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

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion

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**Precautionary statements:** P260: Do not breathe spray.  
P282: Wear eye protection.  
P280: Wear protective gloves.  
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P315: Get immediate medical attention.  
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P332+313: If skin irritation occurs: Get medical attention.  
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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 attention.  
P362: Take off contaminated clothing.

## 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:

3 - BUTOXYPROPAN - 2 - OL

| EINECS    | CAS         | PBT / WEL | CLP Classification                      | Percent |
|-----------|-------------|-----------|---|---------|
| 225-878-4 | 005131-66-8 | -         | Skin Irrit. 2: H315; Eye Irrit. 2: H319 | 1-10%   |

ISOTRIDECANOLETHOXYLATE, POLYMER(8 MOLE EO AVERAGE)

|   |            |   |                                      |       |
|---|------------|---|--------------------------------------|-------|
| - | 69011-36-5 | - | Acute Tox. 4: H302; Eye Dam. 1: H318 | 1-10% |
|---|------------|---|--------------------------------------|-------|

B-ALANINE, N-COCO ALKYL DERIVATIVES, SODIUM SALTS

|           |            |   |                    |       |
|-----------|------------|---|--------------------|-------|
| 271-795-1 | 68608-68-4 | - | Eye Irrit. 2: H319 | 1-10% |
|-----------|------------|---|--------------------|-------|

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|         |             |   |                  |       |
|---------|-------------|---|------------------|-------|
| POLYMER | 160875-66-1 | - | Eye Dam. 1: H318 | 1-10% |
|---------|-------------|---|------------------|-------|

2-AMINOETHANOL

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

## Section 4: First aid measures

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**4.1. Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.

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

**Ingestion:** Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

**Inhalation:** Transfer to hospital as soon as possible.

**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 irritation and pain.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**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:** Water.

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

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus.

**Section 6: Accidental release measures**

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2. Environmental precautions**

**Environmental precautions:** Contain the spillage using bunding.

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

**Clean-up procedures:** Transfer to a suitable container.

**6.4. Reference to other sections**

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

**Section 7: Handling and storage**

[cont...]

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## 7.1. Precautions for safe handling

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

**Storage conditions:** Keep container tightly closed.

**Suitable packaging:** Stainless steel. Polyethylene.

## 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:**

**2-AMINOETHANOL**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA            | 15 min. STEL         | 8 hour TWA | 15 min. STEL |
|-------|-----------------------|----------------------|------------|--------------|
| UK    | 7.6 mg/m <sup>3</sup> | 15 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.

**Hand protection:** Gloves (alkali-resistant).

**Eye protection:** Safety glasses with side-shields.

**Skin protection:** Alkali resistant protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Red

**Odour:** Characteristic odour

**Evaporation rate:** Moderate

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

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Boiling point/range°C:** 100

**Melting point/range°C:** 0

**Relative density:** 1.033 - 1.069

**pH:** 13

**VOC g/l:** 85

[cont...]

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## 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.

### 10.3. Possibility of hazardous reactions

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

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

### 10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

#### 3 - BUTOXYPROPAN - 2 - OL

|      |     |      |      |       |
|------|-----|------|------|-------|
| ORAL | RAT | LD50 | 2700 | mg/kg |
|------|-----|------|------|-------|

#### ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

|      |     |      |          |       |
|------|-----|------|----------|-------|
| ORAL | RAT | LD50 | 500-2000 | mg/kg |
|------|-----|------|----------|-------|

#### B-ALANINE,N-COCO ALKYL DERIVATIVES, SODIUM SALTS

|     |   |      |       |       |
|-----|---|------|-------|-------|
| ORL | - | LD50 | >5000 | mg/kg |
|-----|---|------|-------|-------|

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

#### 2-AMINOETHANOL

|     |     |      |     |       |
|-----|-----|------|-----|-------|
| IVN | RAT | LD50 | 225 | mg/kg |
| ORL | MUS | LD50 | 700 | mg/kg |

[cont...]

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|     |     |      |      |       |
|-----|-----|------|------|-------|
| ORL | RAT | LD50 | 1720 | mg/kg |
| SCU | RAT | LD50 | 1500 | mg/kg |

## Relevant hazards for substance:

| Hazard                        | Route | Basis                 |
|-------------------------------|-------|-----------------------|
| Skin corrosion/irritation     | DRM   | Hazardous: calculated |
| 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 irritation and pain.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**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:

##### 3 - BUTOXYPROPAN - 2 - OL

|         |          |          |      |
|---------|----------|----------|------|
| -       | 48H EC50 | >1000    | mg/l |
| GUPPIES | 96H LC50 | 560-1000 | mg/l |

##### ISOTRIDECANOLETHOXYLATE,POLYMER(8 MOLE EO AVERAGE)

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

##### B-ALANINE,N-COCO ALKYL DERIVATIVES, SODIUM SALTS

|   |          |      |      |
|---|----------|------|------|
| - | 48H EC50 | 18   | mg/l |
| - | 48H EC50 | 97.5 | mg/l |

##### C9/11 A, >3-6 EO PREDOMINANTLY LINEAR (DID 21)

|             |          |          |      |
|-------------|----------|----------|------|
| Scenedesmus | 48H EC50 | 10 - 100 | mg/l |
|-------------|----------|----------|------|

### 12.2. Persistence and degradability

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

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

[cont...]

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## 12.4. Mobility in soil

**Mobility:** 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

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal of packaging:** Dispose of as normal industrial waste.

**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

**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 453/2010.

**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.

**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.