

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

### **1.1 Product Identifier**

**Product Name:** HDC 100

**Common Name:** Heavy duty degreaser

**Product Form:** Mixture

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

**Use of the substance or mixture:** Heavy duty degreaser for professional and industrial use.

**Uses advised against:** Uses other than those identified are not recommended.

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

Enviro Det (Pty) Ltd

Stand No M36

BA Gamotlharo Tribal Road

Northern Cape

8460

### **Contact Details**

(+27 ) 53 285 0944

### **1.4 Emergency Telephone Number**

**For medical or environmental emergency only:**

(+27 ) 53 285 0944

## **SECTION 2: Hazards Identification**

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

Skin Irrit. 2                      H315

Eye Irrit. 2                      H319

### **2.2 Label Elements**

Hazard Pictogram



**Signal Word:** Warning

**Hazard Statements**

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

### **Precautionary Statements**

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103: Read label before use.

### **2.3 Other hazards**

No other hazards known.

## **SECTION 3: Composition/information on ingredients**

| <b>Substance Name</b> | <b>Cas No.</b> | <b>% Weight</b> | <b>Classification</b>                                                                                                                          |
|-----------------------|----------------|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 2-BUTOXYETHANOL       | 112-34-5       | <15%            | Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318)<br>Aquatic Chronic 1.<br>(H403)<br>Acute Tox. 4 - H302<br>Acute Tox. 4 - H312<br>Acute Tox. 4 - H332 |

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **First-aid measures general:**

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

#### **First-aid measures after inhalation:**

Allow victim to breathe fresh air. Allow the victim to rest. Get medical attention if any discomfort continues.

#### **First-aid measures after skin contact:**

Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

#### **First-aid measures after eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre or doctor/physician.

#### **First-aid measures after ingestion:**

Rinse mouth with water and drink plenty of water. Do NOT induce vomiting. Obtain emergency medical attention.

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

- **Inhalation** : No known effects or symptoms in normal use.
- **Skin contact** : No known effects or symptoms in normal use.
- **Eye contact** : Causes severe irritation.
- **Ingestion** : No known effects or symptoms in normal use.

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

CORROSIVE POISONING TREATMENT: Immediate treatment preferably in a hospital is mandatory. In treating corrosive poisoning, do not induce vomiting; do not attempt gastric lavage Vomiting will increase the severity.

No additional information available.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

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

No special hazards known.

**5.3 Advice for firefighters**

As in any fire, wear self-contained breathing apparatus and suitable protective clothing including gloves and eye or face protection.

**SECTION 6: Accidental release measures**

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

No action shall be taken involving any personal risk or without suitable training.

**6.2 Environmental precautions**

Although this product is biodegradable, it is advisable to follow your local municipal regulations/bylaws with the regards to the safe disposal of the product. Notify the relevant regulatory body and authorities if liquid enters sewers or public waters. Spillage or uncontrolled discharge must be immediately reported to the relevant regulatory body and authorities.

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

Absorb with liquid binding material such as sand, diatomite, universal binders, sawdust or items contained in the chemical spill kit.

**6.4 Reference to other sections**

For personal protective equipment see subsection 8.2. For waste disposal see section 13.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

**Measures to prevent fire and explosions:**

No special precautions required.

#### **Advice on general occupational hygiene:**

Follow general hygiene considerations recognised as common good workplace practices.

Keep away from food, drink, and animal feeding stuffs. Keep out of reach of children. Wash hands thoroughly after handling. Use in a well-ventilated area.

See chapter 8.2, Exposure controls and or Personal protection.

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

**Storage conditions:** Keep only in the original container in a cool, well-ventilated place away from incompatible materials. Keep container tightly closed when not in use. Keep out of reach of children.

**Incompatible materials: Sources of ignition.** Direct sunlight. Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products unless advised by manufacturer. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

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

No specific advice for end use available.

### **SECTION 8: Exposure controls/personal protection**

#### **8.1 Control parameters**

Not applicable.

#### **8.2 Exposure controls**

##### **Appropriate engineering controls**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

##### **Personal protective equipment**

- **Hand protection:** None.
- **Eye protection:** None.
- **Skin and body protection:** None.
- **Respiratory protection:** None.
- **Other information:** Do not eat, drink, or smoke during use.
- **Safety glasses:** None.
- **Protective clothing:** None.

### **SECTION 9: Physical and chemical properties**

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

|                             |                    |
|-----------------------------|--------------------|
| <b>Physical State</b>       | : Liquid           |
| <b>Colour</b>               | : Green            |
| <b>Odour</b>                | : Chemical         |
| <b>pH</b>                   | : 10 – 12.5        |
| <b>Melting Point</b>        | : Not determined   |
| <b>Boiling Point</b>        | : Not determined   |
| <b>Flash Point</b>          | : Not determined   |
| <b>Ignition Temperature</b> | : Not determined   |
| <b>Explosive Properties</b> | : Not determined   |
| <b>Density</b>              | : 1.00 -1.03 g/ml  |
| <b>Solubility in water</b>  | : Soluble in water |

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

#### 10.2 Chemical stability

Stable under normal storage and use conditions.

#### 10.3 Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions.

#### 10.4 Conditions to avoid.

None known under normal use conditions.

#### 10.5 Incompatible materials

None known under normal use conditions.

#### 10.6 Hazardous decomposition products.

No hazardous reactions known under normal storage and use conditions.

### SECTION 11: Toxicological information

|                      | <b>2-BUTOXYETHANOL (CAS No. 111-76-2):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toxicity Data</b> | <p>COMPONENT: 2-BUTOXYETHANOL (CAS No. 111-76-2):</p> <p>Not (skin) sensitising (Guinea pig) [Supplier's SDS]. -</p> <p>Germ cell mutagenicity: COMPONENT: 2-BUTOXYETHANOL (CAS No. 111-76-2): Negative (in vitro): Bacterial reverse mutation test [OECD 471; Supplier's SDS]. Negative (in vitro): Mammalian cell gene mutation test [OECD 476; Supplier's SDS]. -</p> <p>Carcinogenicity: No information available. -</p> <p>Reproductive toxicity: No information available. -</p> <p>STOT (single exposure): No information available. -</p> <p>STOT (repeated exposure): No information available. -</p> <p>- Aspiration toxicity: No information available.</p> |

|                  |                                                                                                                                    |
|------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye</b>       | Eye damage/irritation: Causes serious eye damage. Adverse symptoms may include pain, watering, redness.                            |
| <b>Skin</b>      | Skin corrosion/irritation: Causes skin irritation. Adverse symptoms may include pain or irritation, redness, blistering may occur  |
| <b>Ingestion</b> | Harmful if swallowed. Adverse symptoms may include stomach pains. -                                                                |
| <b>Inhaled</b>   | Respiratory/skin sensitisation:                                                                                                    |
| <b>Other</b>     | Acute toxicity (Dermal): COMPONENT:2-BUTOXYETHANOL (CAS No. 111-76-2): - LD50, Rat: >101,200 mg/kg bw. [OECD Guideline 402; ECHA]. |

### SECTION 12: Ecological information

|                                  |                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | <b>2-BUTOXYETHANOL (CAS No. 111-76-2):</b>                                                                                                                                                                                                                                                                |
| <b>Ecotoxicity</b>               | Aquatic toxicity: COMPONENT: 2-BUTOXYETHANOL (CAS No. 111-76-2): - LC50, Fish (Danio rerio): 7.1 mg/l (96 h) Freshwater [Supplier's SDS]. - EC50, Crustacea (Daphnia magna): 7.2 mg/l (48 h) Freshwater [Supplier's SDS]. - NOEC, Crustacea (Daphnia magna): 0.18 mg/l (21 d) Freshwater [Supplier's SDS] |
| <b>Persistence/Degradability</b> | This product is readily biodegradable. COMPONENT: 2-BUTOXYETHANOL (CAS No. 111-76-2): - Ready biodegradability (DOC Die-Away Test): >70% (28 d) [OECD 301A; Supplier's SDS].                                                                                                                              |
| <b>Mobility</b>                  | No data available                                                                                                                                                                                                                                                                                         |
| <b>Environmental Fate</b>        | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.                                                                                                                                                                                                       |
| <b>Bioaccumulation Potential</b> | COMPONENT: 2-BUTOXYETHANOL (CAS No. 111-76-2): - Low bioaccumulative potential. - LogPow: 0.3                                                                                                                                                                                                             |
| <b>Environmental Impact</b>      | No data available                                                                                                                                                                                                                                                                                         |
| <b>Biodegradability</b>          | Readily biodegradable                                                                                                                                                                                                                                                                                     |

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment and disposal methods

The generation of waste should be avoided or minimised wherever possible. Dispose of surplus and non-recyclable product(s) via a licensed waste disposal contractor and in accordance with local, regional and or national regulations. Waste should not be disposed of

untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Care should be taken when handling emptied containers that have not been cleaned or rinsed out

#### **SECTION 14: Transport information**

**Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)**

|                                          |                       |
|------------------------------------------|-----------------------|
| <b>14.1 UN number</b>                    | : Non-dangerous goods |
| <b>14.2 UN proper shipping name</b>      | : Non-dangerous goods |
| <b>14.3 Transport hazard class(es)</b>   | : Non-dangerous goods |
| <b>14.4 Packing group</b>                | : Non-dangerous goods |
| <b>14.5 Environmental hazards</b>        | : Non-dangerous goods |
| <b>14.6 Special precautions for user</b> | : Non-dangerous goods |

#### **SECTION 15: Regulatory information**

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

##### **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS)  
**Hazard Pictograms**



**Signal word:** Warning

##### **Hazard-determining component of labelling**

2-BUTOXYETHANOL (CAS No. 111-76-2):

##### **Hazard Statements**

Causes skin irritation.

Causes serious eye irritation.

##### **Precautionary Statements**

Avoid release to the environment.

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

Keep out of reach of children.

Read label before use.

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out on the mixture.

|                                      |
|--------------------------------------|
| <b>SECTION 16: Other information</b> |
|--------------------------------------|

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

**End of Safety Data Sheet.**