

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**
**Product Identifier**

Product Name **Zybox CLEAR**  
Trade Name  
CAS No n/a  
EINECS No n/a

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

Identified use (s) Fat, oil and grease digester

**Details of the supplier of the datasheet**

**Company Identification** Branta Group Ltd t/a Zybox  
**Company address** Technology Park, Standback Way, Skelmanthorpe, West Yorkshire HD8 9GA UK  
**Telephone Number** +44 (0) 1484868970  
**Fax Number** +44 (0) 1484 866270  
**Email** safety@zybox.co.uk

**Emergency Telephone Number**

+44 (0) 1484 868 970 (office hours only)

**2. HAZARDS IDENTIFICATION**
**Classification of the substance or mixture**

Regulation (EC) No 1272/2008 (CLP) Classified according to Regulation (EC) No 1272/2008 (CLP)  
Directive 67/548/EEC & Directive 1999/45/EC Not classified as hazardous

**Label Elements**

Label elements According to Regulation (EC) No 1272/2008 (CLP)  
Hazard Pictogram(s) No pictogram

Signal Word(s) CLP Not applicable

Hazard Statement(s) Not applicable

Precautionary Statement(s) P102 Keep out of reach of children

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance/preparation** Liquid spore concentrate with surfactant properties  
Micro-organisms EU classification 1 – non-pathogenic

| CAS no.    | Substance Name          | %  | Classification REACH      | Classification CLP  | REACH no              |
|------------|-------------------------|----|---------------------------|---|-----------------------|
| 68891-38-3 | Sodium Laureth Sulphate | <2 | Xi; R38, R41, R43, R52/53 | Skin Irritant 2 (H315)<br>Eye Damage 1 (H318)<br>Aquatic Chronic 3 (H412) | 01-2119488639-16-xxxx |
| 61791-12-6 | Castor Oil              | <1 | n/a                       | n/a   |                       |
| n/a        | Fragrance               | <1 | Xi; R38, R43              | Skin Irritant 2 (H315)<br>Skin Sens. 1 (H317)                             |                       |
| 9000-90-2  | Enzymes                 | <2 | R42                       | Resp. Sens. 1 (H334)  |                       |
| n/a        | Micro-organisms         | <5 | n/a                       | n/a   |                       |

#### 4. FIRST AID MEASURES

**Description of First Aid Measures (Symptoms)**

|              |  |
|--------------|--|
| Inhalation   | No effects or symptoms occur                     |
| Ingestion    | May be irritating to respiration tract or throat |
| Skin Contact | No effects or symptoms occur                     |
| Eye Contact  | May be irritating to eyes                        |

**Description of First Aid Measures (Actions)**

|              |   |
|--------------|---|
| Inhalation   | Not applicable  |
| Ingestion    | Rinse out mouth with water. Do not induce vomiting. Seek medical attention if irritation persists |
| Skin Contact | Wash off with water.  |
| Eye Contact  | Wash out with plenty of water. Seek medical attention if irritation persists                      |

#### 5. FIRE FIGHTING MEASURES

|  |   |
|--|---|
| Extinguishing Media                        | The product is non-flammable. Water spray, foam, dry powder or CO2 for surrounding fire |
| Special Fire Fighting Procedures           | None  |
| Unusual fire/explosion hazards             | None known  |
| Hazardous thermal (de)composition products | None known  |

#### 6. ACCIDENTAL RELEASE MEASURES

|                           |   |
|---------------------------|---|
| Personal Precautions      | Protective equipment. Not normally required                                     |
| Environmental Precautions | Prevent large spillages of undiluted product in surface- or groundwater.        |
| Methods for cleaning up   | Soak up spill with absorbent material. Wash away remainder with plenty of water |

#### 7. HANDLING AND STORAGE

|                     |   |
|---------------------|---|
| Handling            | No special measures required.   |
| Storage             | Store in a cool, dry place. Protect from freezing. Keep container closed when not in use. |
| Packaging Materials |   |
| Suitable            | Synthetic   |
| Not suitable        | Metal   |

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                       |   |
|-----------------------|---|
| Control Parameters    |   |
| Hazardous Ingredients | No occupational limit assigned  |
| Exposure Controls     |   |
| Engineering Measures  | Not applicable  |
| Respiratory system    | Not applicable  |
| Skin and Body         | General workwear only   |
| Eye Protection        | If required, wear safety goggles  |
| Hygiene Measures      | When using do not eat, drink or smoke. Wash hands after working with product. |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|   |  |
|---|--|
| <b>Appearance and Odour</b>             | Green liquid with mint odour                   |
| <b>PH</b>                               | 6 – 6.5  |
| <b>Melting Point</b>                    | approx. 0°C                                    |
| <b>Boling Point</b>                     | approx. 100°C                                  |
| <b>Flash Point</b>                      | not applicable (not flammable nor combustible) |
| <b>Evaporation Point</b>                | < 1  |
| <b>Flammability</b>                     | not flammable                                  |
| <b>Flammability or explosive limits</b> | not applicable                                 |
| <b>Vapour pressure</b>                  | < 20mm Hg (20 °C)                              |
| <b>Vapour Density</b>                   | unknown  |
| <b>Relative Density</b>                 | 1g/cm <sup>3</sup> (20 °C)                     |
| <b>Water Solubility</b>                 | Complete                                       |
| <b>Partition coefficient</b>            | unknown  |
| <b>Auto-ignition temperature</b>        | not applicable (not flammable nor combustible) |
| <b>Viscosity</b>                        | unknown  |
| <b>Decomposition temperature</b>        | unknown  |
| <b>Explosive Properties</b>             | No such properties                             |
| <b>Oxidising Properties</b>             | No such properties                             |

**10. STABILITY AND REACTIVITY**

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is not reactive.  |
| <b>Chemical Stability</b>                 | The product is stable   |
| <b>Possibility of hazardous reactions</b> | Within normal circumstances and upon normal usage no dangerous reactions will occur |
| <b>Conditions to avoid</b>                | No conditions known.  |
| <b>Incompatible materials</b>             | Strong oxidisers, strong acids, strong bases  |
| <b>Hazardous decomposition products</b>   | No thermal decomposition expected   |

**11. TOXICOLOGICAL INFORMATION**

|   |  |
|---|--|
| <b>Possible acute effects on health</b>   | None of the ingredients is classified for acute toxicity   |
| <b>Corrosion/irritation</b>               |  |
| <b>Skin Contact</b>                       | The product contains alcohols, c12-14, ethoxylated, sulfates, sodium salts which are classified as                       |
| <b>Eye Contact</b>                        | corrosive to eyes. The concentration of these ingredients does not trigger the classification as irritating to the eyes. |
| <b>Possible chronic effects on health</b> |  |
| <b>Sensibility</b>                        | None of the ingredients is known for causing allergic skin reactions   |
| <b>Carcinogenicity</b>                    | None of the ingredients is known to have carcinogenic effects  |
| <b>Mutagenicity</b>                       | None of the ingredients is known to have mutagenic effects   |
| <b>Reproductive Toxicity</b>              | None of the ingredients is known to be toxic for reproduction  |
| <b>Specific target Organ Toxicity</b>     | None of the ingredients is known to be specific target organ toxic   |
| <b>Aspiration Hazard</b>                  | None of the ingredients is known to cause aspiration hazards   |

**12. ECOLOGICAL INFORMATION**

|                                   |  |
|-----------------------------------|--|
| <b>Toxicity</b>                   | The product contains alcohols, c12-14, ethoxylated, sulfates, sodium salts which are classified as chronic toxic for the aquatic environment (cat. 3). The concentration of these ingredients does not trigger the classification as aquatic toxic |
| <b>Persistence/degradability</b>  | Expected to be readily bio-degradable (Biowin v4.10 prediction based on main ingredients)  |
| <b>Bio-accumulative potential</b> | No bioaccumulation potential   |
| <b>Mobility in soil</b>           | No information available   |

## MATERIAL SAFETY DATA SHEET

According to Regulation (EC) 1907/2006 (REACH) 1272/2008 (CLP)

### Results of PBT and vPvB assessment

Does not contain PBT or vPvB substances

### Other adverse effects

Negligible ecotoxicity

## 13. DISPOSAL CONSIDERATIONS

Dispose of the preparation according to local and national regulations.

## 14. TRANSPORT INFORMATION

Not regulated for transport. Not classified according to ADR/RID.

## 15. REGULATORY INFORMATION

### This preparation was classified with the following directions and regulations

Regulation (EC) 1907/2006 (REACH) and amendments up to and including Regulation (EU) No 453/2010. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

None of the constituent ingredients are listed on the candidate list of Substances of Very High Concern for Authorisation in accordance with Article 59 (10) of the REACH Regulation.

## 16. OTHER INFORMATION

This information solely concerns the above mentioned product and does not necessarily apply when used in combination with other products or in any kind of process. This information has been drawn up with the utmost of care and to the best of our knowledge up to this moment. We can, however, not be held accountable for any damage, in any form whatsoever. It remains the responsibility of the user to ensure himself that this information applies in case of specific use of the product.

**The following risk phrases relate to the raw materials and not the product itself**

### Hazard Statements

H315 Causes skin irritation  
H317 May cause an allergic skin reaction  
H318 Causes serious eye damage  
H303 May be harmful if swallowed  
H412 Harmful to aquatic life  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

### Risk Phrases

R38 Irritating to skin  
R41 Risk of serious damage to eyes  
R42 May cause sensitisation by inhalation  
R43 May cause sensitisation by skin contact  
R52 Harmful to aquatic organisms  
R53 May cause long-term adverse effects in the aquatic environment