

## Material Safety Data Sheet

In compliance with Regulation (EC) No. 1907/2006 & 453/2010  
(REACH) Revision date: 31/01/2020 issue 2

### 1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER

**1.1 Product identifier** 16 1161215 Microzyme Powder

**1.2 Use of Preparation** Highly specialised biological preparation for breaking down grease and organic matter in waste water systems.

**1.3 Supplier details**  
Unimarine Services INC.  
60 Market Square  
PO Box 364  
Belize City  
Belize  
Phone: + 357 25331054  
E-mail: info@unimarine-services.com

**1.4 Emergency telephone number**

Phone: + 357 25331054 (9am-5pm)

### 2. HAZARDS IDENTIFICATION

**2.1 Classification of the mixture**

Classification according to the Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Not classified.

Classification according to Directives 1999/45/EC and 67/548/EEC (CHIP)

Not classified.

**2.2 Label Elements**

Classification according to the Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Signal word: None

Symbol: None

**Hazard Statements:** None

**General precautionary statements:** P102 Keep out of the reach of children.

**Prevention precautionary statements:** P264 Wash hands thoroughly after handling.  
P235 Keep cool.

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**2.3 Other hazards** None known.

### **3. COMPOSITION/ INFORMATION ON INGREDIENTS**

#### **3.2 Mixtures**

**Composition:**

No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

### **4. FIRST AID MEASURES**

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

**In the event of exposure by inhalation:**

Remove victim to fresh air and seek medical attention if symptoms occur.

**In the event of splashes or contact with the eyes:**

Immediately flush eyes with plenty of water and seek medical attention if irritation develops.

**In the event of splashes or contact with the skin:**

Wash affected area with water.

**In the event of swallowing:**

Rinse mouth and throat with water and give sips of water to drink.

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

General information

The severity of the symptoms described will vary dependent of the concentration and the length of exposure.

Inhalation.

No specific symptoms noted.

Ingestion

No specific symptoms noted. Excessive ingestion may cause nausea.

Skin contact

No specific symptoms noted.

Eye contact

No specific symptoms noted.

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

Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media:

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

#### Suitable methods of extinction

Water, dry chemical or carbon dioxide.

#### Unsuitable methods of extinction

None known.

#### 5.2 Special hazards arising from the mixture

None known.

#### 5.3 Advice for fire-fighters

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and procedures

No special protective clothing. (See Sec 8)

#### 6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

#### 6.3 Methods and materials for containment and cleaning up

May be flushed to drains with plenty of water.

#### 6.4 Reference to other sections

For personal protection, see section 8.

### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

No specific usage precautions noted.

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

Store at moderate temperatures in dry, well ventilated area. Keep in original container.

#### 7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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### Usage Description

See Product Information Sheet & Label for detailed use of this product.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Ingredient comments

No exposure limits noted for ingredient(s).

### 8.2 Exposure controls

Engineering measures

Not relevant

#### Personal protection measures, such as personal protective equipment

##### Eye/face protection

None required.

##### Hand protection

Not required.

##### Body protection

Not required.

##### Respiratory protection

Not required.

##### Other Protection

None required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### General information:

Physical state

|                                 |                           |
|---------------------------------|---------------------------|
| Appearance                      | Solid                     |
| Colour                          | Pale Brown/White          |
| Odour                           | Slight fermentation odour |
| pH                              | 6-8 (10% solution)        |
| Density                         | 1.60 g/cm <sup>3</sup>    |
| Melting point                   | Decomposes > 180°C        |
| Initial boiling point and range | No data available         |
| Flash point                     | No data available         |
| Solubility in water             | Soluble                   |

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### Important health, safety and environmental information:

#### 9.2 Other information

None.

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity

No specific reactivity hazards associated with this product.

#### 10.2 Chemical stability

No particular stability concerns.

#### 10.3 Possibility of hazardous reactions

See sections 10.1, 10.4 & 10.5

#### 10.4 Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

#### 10.5 Incompatible materials

No incompatible groups noted.

#### 10.6 Hazardous decomposition products

No hazardous decomposition products.

### 11. TOXICOLOGICAL

#### 11.1 Information on toxicological effects

##### Skin corrosion/skin irritation:

Not anticipated under normal conditions of use.

##### Serious damage to eyes/eye irritation:

Not anticipated under normal conditions of use.

##### Respiratory or skin sensitization:

Not anticipated under normal conditions of use.

### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

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### Mixtures

#### 12.2 Persistence and degradability

The preparation is readily biodegradable.

#### 12.3 Bio-accumulative potential

The product does not contain any substances expected to bio-accumulate.

#### 12.4 Mobility in soil

This preparation is highly dispersible in water. It is highly likely to distribute predominantly to the aqueous environment.

#### 12.5 Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

#### 12.6 Other adverse effects

Not known.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

##### Product Waste:

Unwanted product may be flushed with water to sewer.

##### Soiled packaging:

Rinse container and consign empty container to normal waste.

### 14. TRANSPORT INFORMATION

General Not classified as hazardous for transport

**14.1 UN Number** No UN number assigned as not classified as hazardous

**14.2 UN proper shipping name** No shipping name assigned as not classified as hazardous

**14.3 Transport Hazard class(es)** No transport hazard class assigned as not classified as hazardous

Land

Inland Waterway Transport

Sea

Air

**14.4 Packing group** No packing group assigned as not classified as hazardous

**14.5 Environmental hazards** Not classified as an environmentally hazardous product

**14.6 Special Precautions for user** None

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### 15. REGULATORY INFORMATION

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

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010, which amends Regulation (EC) No 1907/2006.

The product is now classified in accordance with GHS/CLP regulation (EC) no. 1272/2008 classification, labeling and packaging of substances and mixtures.

Ingredients are listed with classification under both CHIP - Directive 67/548/EEC - classification, packaging & labelling of dangerous substances & GHS/CLP Regulation (EC) No 1272/2008 classification, labelling & packaging of substances and mixtures.

#### 15.2 Chemical safety assessment

Not applicable this product is a mixture.

### 16. OTHER INFORMATION

#### Revision Comments

This Material Safety Data Sheet has been prepared in accordance with REACH Commission Regulation (EU) No 453/2010, which amends Regulation (EC) No 1907/2006. Classification and label elements have been voluntarily written according to CLP by implementing early the version of Annex II that comes into force on 1 June 2015 for mixtures according to the provisions of Article (3) of Regulation 453/2010. There has been no change to the classification of the product due to changes in the classification criteria in accordance with CLP.

Revision Date 12/11/14

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#### Legal disclaimer:

The information provided is to the best of our knowledge correct and accurate. However, all data instructions and suggestions should be used only for guidance purposes. This company shall not be held liable for any damage resulting from handling or contact with the above product.