



## Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product:** BACZYME BAC-FOG+

**Date issued:** August 2022

#### Company Details:

**Name:** Baczyme

**Contact Person:** Gary Hinde

**Tel:** +27 825527484

**E-mail:** [gary@baczyme.org.za](mailto:gary@baczyme.org.za)

**Trade Name:** BACZYME BAC-FOG+

**Chemical Family:** Propriety blend of microbes and biodegradable buffers

**Chemical Name:** N/A

**Synonyms:** N/A

**Uses:** A super concentrate for formulation for products.

As a bio-augmentation additive for the treatment of fats traps and food-based systems.

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

#### Hazardous components:

COMPONENT	CAS NO	% m.m <sup>-1</sup>	SYMBOL	R-PHRASES (EUD 67/548/EEC)	S-PHRASES (EUD 67/548/EEC)
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Proprietary stabilization mix	N/A	0.1-1.0	Xi,C	35-36/37/38	2, 13, 24/25/26, 35
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**Non-hazardous components:**

Bacterial mixture, non-hazardous natural environmental isolates, non-genetically modified, non-pathogenic and non-carcinogenic.  
 Contains food grade ingredients.

COMPONENT	CAS NO	% m.m <sup>-1</sup>	SYMBOL	R-PHRASES (EUD 67/548/EEC)	S-PHRASES (EUD 67/548/EEC)
Dye Quinoline yellow	8004-92-0	0.001-0 010	N/A	N/A	2, 22
Xanthan Gum	11138-66-2	0.01-0.10	N/A	N/A	2, 22

**3. HAZARDS IDENTIFICATION**

**Main Hazard:** As above.

**Flammability:** None.

**Chemical hazard:** As per Section 2.

**Biological hazard:** No known effect.

**Reproduction hazard:** No known effect.

**Eye effects:** May be irritating to eyes.

**Health effects – skin:** No known effect.

**Health effects – ingestion:** Not to be ingested. Effects unknown.

**Health effects – inhalation:** No known effect.

**Carcinogenicity:** No known effect.

**Mutagenicity:** No known effect.

**Neurotoxicity:** No known effect.

**4. FIRST AID MEASURES:**



**Product in eye:** Wash with saline. Seek medical attention.

**Product on skin:** Wash with water.

**Product ingested:** Get medical attention.

**Product inhaled:** Remove to fresh air.

#### 5. FIRE FIGHTING MEASURES:

**Extinguishing media:** Water

**Special hazards:** None.

**Protective Clothing:** None.

#### 6. ACCIDENTAL RELEASE MEASURES:

**Personal Precautions:** None.

**Environmental precautions:** None.

**Small spills / Large spills:** Collect product and dispose as normal liquid waste to sewage. Wash down area with water and dry.

#### 7. HANDLING AND STORAGE

**Handling:** No special precautions.

**Handling/storage precautions:** Store under cool dark ambient conditions.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational exposure limits:** No data available.

**Engineering control measures:** None required.

**Personal protection – respiratory:** None required.

**Personal protection – hand:** None required. None required. Use gloves in case of skin sensitivity.

**Personal protection – eye:** None required. Use goggles when risk of eye exposure.

**Personal protection – skin:** None required. Avoid contact with skin in case of sensitivity



**Other protection:** Use according to supplier instructions.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Appearance:** Yellowish-brown liquid

**Explosive properties:** None

**Odour:** Natural mild acidic

**Oxidizing properties:** None

**pH:**  $4.80 \pm 0.10$

**Vapour pressure:** N/A

**Boiling point:** N/A

**Density:**  $1.000 \text{ g.ml}^{-1} \pm 0.2$

**Melting point:** N/A

**Solubility - water:** Dissipates in water

**Flash point:** N/A

**Solubility - solvent:** N/A

**Flammability:** N/A

**Solubility - coefficient:** N/A

**Auto flammability:** N/A

**Viscosity:** 13.20 cP

#### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** Stable under normal usage conditions.

**Incompatible materials:** None.

**Hazardous decomposition products:** None known.

#### 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** No known effect when used according to instructions.

**Chronic toxicity:** No known effect when used according to instructions.



**Carcinogenicity:** No known effect when used according to instructions.

**Mutagenicity:** No known effect when used according to instructions.

**Reproductive hazards:** No known effect when used according to instructions.

## 12. ECOLOGICAL INFORMATION

**Aquatic toxicity – fish:** No known effect when used according to instructions.

**Aquatic toxicity – daphnia:** No known effect when used according to instructions.

**Aquatic toxicity – algae:** No known effect when used according to instructions.

**Biodegradability:** Biodegradable. Refer to table below.

**Bioaccumulation:** No data available. No known bio-accumulation.

**Mobility:** N/A.

### Biodegradability of components (OECD 301 Guidelines)

COMPONENT	Biodegradability
Proprietary stabilization mix	Readily Biodegradable
Dye Quinoline yellow	Readily biodegradable
Xanthan Gum	Readily Biodegradable

## 13. DISPOSAL CONSIDERATIONS:

**Disposal methods:** Follow federal, state and local regulations for disposal of liquid waste.

## 14. TRANSPORT INFORMATION

UN no: N/A

IMDG - EMS No: N/A

ADR/RID Substance identity no: N/A

IMDG – MFAG table on: N/A



ADR/RID class: N/A

IATA - class: N/A

ADR/RID item no: N/A

IATA – subsidiary risk(s): N/A

ADR/RID hazard identity no: N/A

UK – description: No data available

IMDG - shipping name: N/A

UK emergency action class: No data available

IMDG - class: N/A

UK classification: No data available

IMDG – packaging group: N/A

Tremcard No: N/A

IMDG - marine pollutant: N/A

#### 15. REGULATORY INFORMATION:

EEC hazard classification: N/A

Risk phrases: as above

Safety phrases: as above

National Legislation: OSH Act

#### 16. OTHER INFORMATION:

##### Selected bibliography

1. Data sheets as supplied by various Suppliers and Manufacturers
2. Occupational Health and Safety Act and Regulations (85/1993)
3. General Administrative Regulations



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