

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product: BACZYME (SL) RFU LIQUID

Date issued: August 2015

Company details:

Name: BACZYME

Contact Person: Gary Hinde

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Trade Name: Meridian Paints (Pty) Ltd T/A BACZYME

Chemical Family: Propriety mix of microbes and biodegradable buffers.

Chemical Name: N/A

Synonyms: N/A

Uses: As a super-concentrate ingredient for formulation of products. As a bio-augmentation additive for effluent treatment systems.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components

Component	CAS NO	% m.m ⁻¹	SYMBOL	R-[PHRASES (EUD 67/548/EEC)]	S-[PHRASES (EUD 67/548/EEC)]
Potassium Sorbate	590-00-1	0.1 - 10.0	Xi	36/37/38	2, 13, 24/25/26, 35
Acetic Acid	64-19-7	1.0 - 10	C	10, 35	2, 13, 24/24/26
Sodium Hydroxide	1310-73-2	0.2 - 1.0	C	35	2, 13, 24/25/26

Non-hazardous components:

Bacterial mixture, non-hazardous natural environmental isolates, non-genetically modified, non-pathogenic and non-carcinogenic. Food grade activation nutrients.

Component	CAS NO	% m.m ⁻¹	SYMBOL	R-[PHRASES (EUD 67/548/EEC)]	S-[PHRASES (EUD 67/548/EEC)]
Dye Idacol blue	3567-69-9	0.0001 - 0.0010	N/A	N/A	2, 22



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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.

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.
Use gloves in case of skin sensitivity.

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

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

Other protection: Use according to supplier instructions.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: A Blueish Liquid

Odour: Naturally acidic

pH: 4.80 ± 0.10

Boiling point: N/A

Melting point: N/A

Flash point: N/A

Flammability: N/A

Auto flammability: N/A

Explosive properties: None

Oxidizing properties: None

Vapour pressure: N/A

Density: 1.000kg.l⁻¹ ± 0.005

Solubility - water: Dissipates in water

Solubility - solvent: N/A

Solubility - coefficient: 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

German wkg: N/A



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Biodegradability of components (OECD 301 Guidelines)

Component	BIODEGRADABILITY
Dye Idacol Blue	Readily biodegradable
Potassium Sorbate	Readily biodegradable
Acetic Acid	Readily biodegradable
Sodium Hydroxide	N/A Inorganic substance

13. DISPOSAL CONSIDERATIONS

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

Disposal packaging: Recycle plastic and paper based 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

All reasonable care has been exercised in processing your request for information on the product listed in this Material Safety Data Sheet. No warranty is made, either express or implied and Baczyme does not hold itself liable for any injury, illness, loss or misinterpretation arising from the use of this data.

