



Blue Reef Water Solutions (Pty) Ltd  
Reg No 2013/149985/07  
Tel. +27 31 910 7500  
2096 Prince Mcwayzeni Drive, Reunion, Durban  
PO Box 32079, Mobeni, 4060, KwaZulu-Natal, South Africa

## Safety Data Sheet

### SECTION 1 – IDENTIFICATION

- 1.1 Product** **MBZ-L65-VB**
- 1.2 Uses** Surfactant- Bio-Dispersant - Viscosity Modifier with Biocide
- 1.3 Manufacturer & Supplier Information**  
Blue Reef Water Solutions (Pty) Ltd  
New Germany Industrial Park; New Germany;  
KZN, Republic of South Africa
- Date SDS prepared** 1 January 2018 (rev. 3 Nov. 2023)
- Prepared by** [lab@gold-reef.co.za](mailto:lab@gold-reef.co.za)
- Emergency No.** +27319107500

### SECTION 2 – HAZARD IDENTIFICATION

#### 2.1 Classification



Contains <15% Isopropanol  
Flash Point > 55°C  
Not Combustible

#### 2.2 Labelling

Identification : MBZ-L65-VB  
UN No. : N/A

#### 2.3 Other Hazards

Wear all recommended Personal Protective Equipment and Handle All Chemical Substances with Care

### SECTION 3 - HAZARDOUS INGREDIENT INFORMATION

**3.1 Product Type** organic mixture

#### 3.2 Hazardous Types

Flash Point >50°C

The carrier liquid contains <15% Isopropanol.  
Contains Biocide. Do Not Ingest.

#### 2.2 Labelling

Identification : MBZ-L65-V

UN No. : N/A

Classification : N/A

### SECTION 4 – FIRST AID

#### 4.1 – Measures

**Inhalation** Not an irritant. If found to be an irritant, move to well aerated area.

**Skin Contact** May cause skin irritation and minor burns. Wash with copious amounts of water. Obtain medical attention.

**Eye Contact** Will cause severe irritation and burns. Flush eyes immediately with copious amounts of water & obtain medical attention.

**Ingestion** If swallowed do not induce vomiting. Obtain immediate medical attention.

#### 4.2 Most Important Symptoms

Ingestion & Eye Contact

### SECTION 5 – FIRE FIGHTING MEASURES

#### 5.1 Extinguishing Media

Product is not readily flammable. Containers made of HDPE will be flammable. Water spray jets and foams are adequate.

#### 5.2 Special Hazards

Upper & Lower Flammability Limits

Upper Flammability Limit – >50°C

Auto Ignition

Not available



### 5.3 Advice for Firefighting

Wear full protective equipment with self-contained breathing apparatus due to gases/vapours that may result from product and container degradation. Eg. CO<sub>2</sub>, CO etc.

### 5.4 Additional Information

Prevent product run off into storm water

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions & PPE

Follow internal emergency procedures. Wear

Eye Protection, Gloves, Overall and Safety Boots/Shoes.

**6.2 Environmental Precautions** Prevent product run off to storm and surface water

**6.3 Containment Methods** Use suitable damming off/absorbant material to prevent run off. Sweep up and dispose of in accordance with local municipal regulations. Advise authorities accordingly in case of serious ground and water contamination.

## SECTION 7 – HANDLING & STORAGE

### 7.1 Safe Handling Precautions

Wear PPE. Avoid unnecessary contact with product. Do not eat & drink in that area. Wash hands after handling. Avoid spillage during transfer.

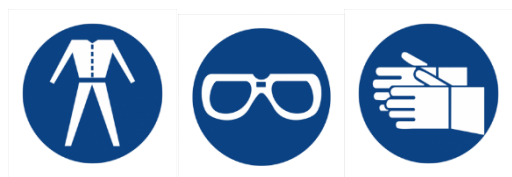
### 7.2 Storage & Incompatible Materials

Store in cool areas at maximum 2 high, separately from strong acids and oxidising agents. Will release SO<sub>2</sub> if acidified. Avoid freezing and high temperature conditions. Crystallisation and drum swelling may occur respectively.

## SECTION 8 – PERSONAL PROTECTION

**8.1 Control Parameters** None

### 8.2 Recommended Personal Protection



Wear coverall, eye-protection and rubber gloves. Avoid contact with eyes and skin. Do not ingest. Store away from feedstuffs.

## SECTION 9 – PROPERTIES

### 9.1 Physical & Chemical Properties

Appearance	Clear to Opaque Pale Yellow Liquid
Odour	isopropanol
Flash Pt.	>55°C
Auto Ignition	Not Combustible
SG @ 25°C	1.03- 1.08
pH @ 25°C	5.0-8.0 neat

**9.2 Other Information** See Section 8

## SECTION 10 – REACTIVITY & STABILITY

**10.1 Reactivity** Strong Acids/Oxidising Agents

**10.2 Stability** Stable under normal conditions

**10.3 Hazardous Reactions** Mixing with Strong Acids and Oxidising Agents

**10.4 Conditions to Avoid** Freezing & Heat

**10.5 Materials to Avoid** see 10.3

**10.6 Hazardous Decomposition Products**

Degradation of drums and product in case of fire. By-products from reaction with strong acids and oxidising agents

## SECTION 11 – TOXICOLOGICAL INFORMATION

(This information is based on this concentration & knowledge and toxicology of similar materials)

Acute Oral : LD<sub>50</sub> Rat 3450 mg/kg

Acute Dermal : LD<sub>50</sub> Rabbit >2000 mg/kg

Acute Inhalation : LC<sub>50</sub> Rat 50000m g/l as conc . material.

Skin Irritation : Irritant

Eye Irritation : Causes Burns

Respiratory Irritation : Mild in dilute form

Sensitisation: Not a sensitizer

Repeated Dose : None expected in humans

Mutagenicity: Not mutagenic

Carcinogenicity : Not carcinogenic

Reproductive Toxicity : No fertility effects expected



## **SECTION 12 – ECOLOGICAL INFORMATION**

### **12.1 Toxicity**

**Bluegill sunfish** : 100% active 54mg/l @ 96h

**Daphnia magna** : 36 mg/l @48h

**Mobility** : completely dispersible in water

**Degradability** : biodegradable

**Accumulation** : not accumulative

**Motility in Soil** : unknown

**Results of PBT & vPvB assessments** : None

**Other Adverse Effects** : biocide

**Further Ecological Information** : biocide

The data contained herein is believed to be accurate and reliable. However, neither the abovementioned supplier nor any of its subsidiaries assume any legal liability whatsoever for the accuracy or completeness of information contained herein. Users should undertake sufficient verification and testing to determine the suitability for their own purposes of any product or information contained herein. Recommendations are given in good faith and without prejudice but without warranty and subject to the exclusion of any liability.

## **SECTION 13 – DISPOSAL CONDITIONS**

### **13.1 Waste Treatment Methods**

Dispose of product and containers in accordance with local applicable waste classifications and regulations. Contact supplier for advice.

## **SECTION 14 – TRANSPORT INFORMATION**

**14.1 UN No.** N/A

**14.2 UN Shipping Name** MBZ-L65-VB

**14.3 Transport Hazard Class** N/A

**14.4 Packing Group** N/A

**14.5 Environmental Hazard** contains solvent

**14.6 Special Precautions** Keep Drums Closed

**14.7 Additional Information** Handle Chemicals With Care



## **SECTION 15 – REGULATORY INFORMATION**

Classification for Mixtures to EC 1272/2008

## **SECTION 16 – RISK & SAFETY INFORMATION**

**16.1 Indication of changes;** N/A

**16.2 Abbreviations/Synonyms;** N/A

**16.3 Key Literature & References;** refer to mildly acidic solutions at pH values of 5.0

### **16.4 H & EUH Phrases**

H302 harmful if ingested

H315 skin irritant

H319 causes severe eye irritation