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Safety Data Sheet

SECTION 1 – IDENTIFICATION

- 1.1 Product** MMA-L70 PIC
1.2 Uses Scale Inhibitor
1.3 Manufacturer & Supplier Information
Blue Reef Water Solutions (Pty) Ltd
2096 Prince McWayzeni Drive, Reunion, 4133
KZN, Republic of South Africa
Date SDS prepared 1 January 2018
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SECTION 2 – HAZARD IDENTIFICATION

2.1 Classification

Non-Hazardous

2.2 Labelling

Identification : MMA-L70 PIC
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-inorganic mixture

3.2 Hazardous Types

Ingredients non hazardous

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SECTION 4 – FIRST AID

4.1 – Measures

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

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

Eye Contact Will cause severe irritation and minor 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, Skin & Eye Contact

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Product is non-flammable. Containers of HDPE will be flammable. Water spray jets and foams are adequate.

5.2 Special Hazards

Upper & Lower Flammability Limits N/A
Auto Ignition N/A

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. CO₂, 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 oxidising agents. 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 Yellow Liquid
Odour	Minimal
Flash Pt.	Not Applicable
Auto Ignition	Not Applicable
SG @ 25°C	1.10 – 1.15
pH @ 25°C	5.0 – 8.0
Solubility :	Complete

9.2 Other Information See Section 8

SECTION 10 – REACTIVITY & STABILITY

10.1 Reactivity Oxidising Agents

10.2 Stability Stable under normal conditions

10.3 Hazardous Reactions Mixing concentrate with Oxidising Agents

10.4 Conditions to Avoid Freezing & Heat

10.5 Materials to Avoid see 10.3

10.6 Hazardous Decomposition Products

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

SECTION 11– TOXICOLOGICAL INFORMATION

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

Acute Oral : LD₅₀ Rat >2000 mg/kg

Acute Dermal : LD₅₀ Rabbit >2000 mg/kg

Acute Inhalation : LC₅₀ Rat >5000mg/m³ as conc material.

Skin Irritation : - Irritant

Eye Irritation : Irritant

Respiratory Irritation : Mild in dilute form

Sensitisation: Is 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

Rainbow trout : >100mg/l @ 96h

Daphnia magna : >50mg/l @48h

Algae : >50mg/l @24h

Mobility : completely soluble in water

Degradability : biodegradable

Accumulation : not accumulative

Motility in Soil : unknown

Results of PBT & vPvB assessments : None

Other Adverse Effects : None

Further Ecological Information : Not known.

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

Classification : N/A

14.2 UN Shipping Name MMA-L70 PIC

14.3 Transport Hazard : N/A

14.4 Packing Group N/A

14.5 Environmental Hazard : None

14.6 Special Precautions Store in dry area

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; N/A

16.4 H & EUH Phrases

H302 harmful if ingested

H315 skin irritant

H319 causes severe eye irritation



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