



Blue Reef Water Solutions (Pty) Ltd
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Safety Data Sheet

SECTION 1 – IDENTIFICATION

- 1.1 Product** CT9-S100P
1.2 Uses Corrosion Inhibitor
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
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Emergency No. +27319107500

SECTION 2 – HAZARD IDENTIFICATION

2.1 Classification
Non_hazardous

2.2 Labelling
Identification : CT9-S100P
UN No. : Not Applicable

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** powder
organic/inorganic mixture
3.2 Hazardous Types
Non-hazardous in powder form.
Contains metal based salts.

SECTION 4 – FIRST AID

4.1 – Measures

Inhalation Mild 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 non-flammable. Containers of HDPE and plastic/paper bags 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 alkalis and 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 White/Turquoise Powder

Odour Minimal

Flash Pt. Not Applicable

Auto Ignition Not Applicable

20% Solution will yield following :

Appearance Clear/Opaque Blue-Green Liquid

SG @ 25°C 1.12 – 1.19

pH @ 25°C neat 1.0 – 2.5

9.2 Other Information See Section 8

SECTION 10 – REACTIVITY & STABILITY

10.1 Reactivity Strong Alkalis/Oxidising Agents

10.2 Stability Stable under normal conditions

10.3 Hazardous Reactions Mixing with Strong Alkalis 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) – As the powder.

Acute Oral : LD₅₀ Rat 574mg/kg

Acute Dermal : LD₅₀ Rabbit > 2000mg/kg

Acute Inhalation : Prolonged Inhalation – Severe Irritant.

Skin Irritation : Mildly Acidic - Irritant

Eye Irritation : Irritation – Acidic and Irritant

Respiratory Irritation : Mild

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 (as 20% solution).

Rainbow Trout : Not Available

Ceriodaphnia : @pH>7 – LD50 @ 3.73mg/l as Zn

Mobility : completely soluble in water

Degradability : biodegradable to sulphate and Zn precipitation as harmless oxide

Accumulation : not accumulative

Motility in Soil : unknown

Results of PBT & vPvB assessments : None
Other Adverse Effects : acidic after mix – pH decrease

Further Ecological Information : mildly acidic after mixing

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. Powder – non-corrosive,

14.2 UN Shipping Name CT9-S100P

14.3 Transport Hazard Class N/A

14.4 Packing Group N/A

14.5 Environmental Hazard Contains metal based salts

14.6 Special Precautions Keep Bags/Pails 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 between 2.5 – 4.5.

16.4 H & EUH Phrases

H302 harmful if ingested

H315 skin irritant

H319 causes severe eye irritation

