



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

SDS - SAFETY DATA SHEET — 16 Sections – 4 Pages

SECTION 1 — Identification of Substance/Mixture/Company/Undertaking

1.1 Product Identifier

Glofloc GF 7004

1.2 Identified Uses

COAGULANT

1.3 Supplier Information

Manufacturer's Name

Gold Reef Specialty Chemicals (Pty) Ltd

Supplier's Name

Blue Reef Water Solutions (Pty) Ltd

Street Address

New Germany Industrial Park, New Germany

City Province

KZN

Postal Code

3160

Date MSDS Prepared

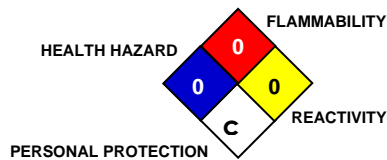
1 May 2018 (original – review Nov 2020)

MSDS Prepared By

1.4 Emergency Telephone

SECTION 2 — HAZARDS IDENTIFICATION

2.1 Classification



2.2 Labelling

Identification:

Glofloc GF 7004

UN No. :

Not a DOT regulated material

EC Classification:

Does not require a hazard warning label in accordance with EC directives

Handle all chemicals with care.

Wear all Personal Protective Equipment – Essential - Overall, Rubber Gloves and Eye protection.

2.3 Other Hazards

Not hazardous in case of skin contact.

Avoid release to the environment.

SECTION 3 — COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

3.1 Mixture

3.2 Hazardous Ingredients

NO HAZARDOUS MATERIALS contained within this specialized blend.

12042-91-0 Polyaluminium Complex

90-95%

42751-79-1 Polyelectrolyte

5-10%

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SECTION 4 — FIRST AID MEASURES

4.1 Description – First Aid Measures – Avoid Contact with Skin and Eyes. Do not ingest.

Inhalation

Remove to fresh air if necessary. Not irritating due to inhalation.

Skin Contact

May cause minor irritation to skin. Wash with copious amounts of water for 5 minutes and seek medical attention if symptoms persist.

Eye Contact

Flush eyes with copious amounts of water. If persistent irritation occurs, obtain medical attention.

Ingestion

If swallowed do not induce vomiting. Seek immediate medical attention.

4.2 Most Important Symptoms - Ingestion/Eye Contact – can cause moderate to severe irritation.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishing Media – Water Spray Jet adequate. Product is not flammable. Containers may be flammable at very high flame temperatures.

5.2 Special Hazards - Clear fire area of non-emergency personnel.

Product is not flammable. Containers may be flammable at very high flame temperatures.

Upper & Lower Flammability Levels – Not Applicable

Auto Ignition – Not Applicable

Hazardous combustion materials include smoke, carbon monoxide and oxides of sulphur. Flammable vapours may be present due to container degradation.

5.3 Advice for Firefighters

If product is contained in a storage facility where a fire is active then follow instructions below.

Wear full protective equipment and self-contained breathing apparatus.

Keep adjacent containers cool with water spray.

5.4 Additional Information – Prevent run off to natural ground water if possible.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear all Personal Protective Equipment – Essential - Overall, Rubber Gloves and Eye protection.

6.2 Environmental Precautions

Prevent from spreading or entering ground and surface water areas.

6.3 Methods for material containment and cleaning up

Use sand or suitable absorbant material.

For small spills use the absorbant material to contain then transfer into a waste container whilst adhering all safety rules. For very large spills, advise authorities and ensure that transfer by mechanical means such as vacuum truck is employed for ideal removal and disposal.

6.4 Reference to other sections – refer section 4.

SECTION 7 — HANDLING AND STORAGE

7.1 Precautions for safe handling

Store separately from strong alkalis.

Avoid unnecessary contact with material.

Ensure that all recommended PPE is worn and never siphon product by mouth.

Do not eat or drink in the area.

7.2 Conditions for safe storage including incompatibilities

Drums should be stacked to a maximum of 2 high. Use properly labeled and closeable containers. During transfer, avoid splash filling. All containers should preferably be of HDPE.

Store at temperatures preferably between 10-40°C. Below 0°C can cause crystallization.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters - None

8.2 Personal Protection Equipment Recommended



Essential to wear PPE (personal protective equipment) as listed above (eye protection and rubber gloves); however, safety shoes or rubber boots and coverall/protective apron is recommended. Avoid contact with skin, eyes and clothes. Do not ingest. Remove contaminated clothing wash immediately after rinsing skin affected areas with copious amounts of water. Keep away from food, drink and animal feedstuffs.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Yellow to Amber Liquid
Odour:	Slight Organic - Minimal
Flash Point	Not Applicable >121 Deg. C.
Upper & Lower Flammability Level	Not Applicable
Auto Ignition :	Not Applicable
Specific Gravity at 25°C :	1.26 – 1.30
pH at 25°C @ 15% m/m :	3.5 – 5.5

9.2 Other information Observe section 8.

SECTION 10 — STABILITY AND REACTIVITY

10.1 Reactivity	Strong alkalis.
10.2 Stability	Stable under normal conditions of use
10.3 Hazardous reactions	Strong alkalis.
10.4 Conditions to avoid	Keep containers closed & refer 10.3
10.5 Materials to avoid	refer 10.1 & 10.3
10.6 Hazardous decomposition products	None under normal storage conditions Thermal decomposition can result in noxious gases in the form of carbon monoxide, carbon dioxide, especially from container degradation.

SECTION 11 — TOXICOLOGICAL INFORMATION

Information provided is based on product data and knowledge and toxicology of similar materials and the concentration activity in each instance.

Acute Oral Toxicity:	GHS. No Data Available but GRAS – not a hazardous or a DOT controlled substance
Acute Dermal Toxicity:	N/A
Acute Inhalation Toxicity:	N/A
Skin Irritation:	Prolonged contact may cause irritation.
Eye Irritation:	Will cause irritation of eyes
Respiratory Irritation:	N/A
Sensitization:	Not a skin sensitizer
Repeated Dose Toxicity:	Not known
Mutagenicity:	Not mutagenic in humans
Carcinogenicity:	Not carcinogenic in humans
Reproductive & Developmental Toxicity:	Not expected to be a developmental toxicant or impair fertility

SECTION 12 — ECOLOGICAL INFORMATION

12.1 Toxicity

Acute Toxicity

Fish: Zebra Fish

Not known

Daphnia Magna:

Not known

Algae:

Not known

Mobility:

Soluble in water

12.2 Persistence/Degrability

Organic Portion - Inherently biodegradable

12.3 Bio-accumulative potential

Not bio-accumulative

12.4 Motility in soil

Not known

12.5 Results of PBT and vPvB assessments

Not known

12.6 Other adverse effects

Mildly acidic material

12.7 Further ecological information

As above

SECTION 13 — DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods – product/packaging disposal

Material Disposal:

Recover or recycle if possible. Dispose of in accordance with local applicable waste classifications and regulations.

Container Disposal:

Drain container thoroughly. Send drum to reclaimer.

Local Legislation:

Disposal should be in accordance with applicable local laws and regulations.

SECTION 14 — TRANSPORT INFORMATION

14.1 UN Number

N/A

14.2 UN proper shipping name

N/A – GLOFLOC 7004

14.3 Transport hazard class

N/A

14.4 Packing group

III

14.5 Environmental hazard

refer sec. 12

14.6 Special precautions for user

keep containers closed

14.7 Additional information

handle all chemicals with care

SECTION 15 — REGULATORY INFORMATION

15.1 Safety, health & environmental regulations

Classification for mixtures according to regulation EC 1272/2008 (CLP)

SECTION 16

16.1 Indication of changes

16.2 Abbreviations and acronyms

16.3 Key literature references and sources for data

16.4 Relevant H and EUH phrases

H302 harmful if swallowed

H319 causes severe eye irritation

This material safety data sheet refers to the regulatory requirements for the EU and does not contain any country specific legislation. The information based herein is supplied in good faith and without prejudice based on our current knowledge and is intended to discuss the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of the data or the results obtained from using this product.

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