

Bilge Water Flocculant

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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Version: 2.3

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Bilge Water Flocculant
Product code : UNIM213
Product group : Blend

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Used as a flocculant in treatment of industrial waste water.
Industrial/Professional use spec : Industrial
Function or use category : Mixture of Anionic and non-ionic polymer.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

UNIMARINE SERVICES INC.
60 MARKET SQUARE
PO BOX 364
BELIZE CITY
T +35725331054
info@unimarine-services.com

1.4. Emergency telephone number

Emergency number : +35725331054

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Physical Hazard Classes

Corrosive to metal: Category 1

Health Hazard Classes

Adverse physicochemical, human health and environmental effects

Skin corrosion / Irritation: Category 3

Serious Eye Damage : Category 2

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal Word : Danger



2.3. Other hazards

Causes irritation on skin, mucous membranes and eyes.

H290: May be corrosive to metals

H305: May be harmful if swallowed and enters airways

H316: Causes mild skin irritation

H320: Causes eye irritation

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

CHEMICAL NAME	CAS No.:	Content (%)	Symbol	R-phrase(s)
Mixture Polymer	1327-41	> 99%	C	26

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Rinse nose and mouth with water. Fresh air. : Wash skin with plenty of water.

First-aid measures after skin contact : Take off contaminated clothes. Wash skin.

First-aid measures after eye contact : Rinse immediately with water at least 15 minutes. Call a physician.

First-aid measures after ingestion : Give milk or water. Do not evoke vomiting.

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4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact : None under normal conditions.
Symptoms/injuries after eye contact : Can occur: mild eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Will not burn, use media appropriate for surrounding material

5.2. Special hazards arising from the substance or mixture

Fire hazard : Thermal decomposition (> 200°C) may liberate NO₃ fume

Hazardous decomposition products in case of fire

5.3. Advice for firefighters

Firefighting instructions : Use suitable safety equipment. Fire fighters to wear

Protection during firefighting : self-contained breathing apparatus if risk of exposure to vapor or products of combustion.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Do not let product enter drains

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : - on ground : Flush with plenty of water, if possible neutralize with lime

Other information : - on water : Inform police and/or fire brigade.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Technical protective measures : Handle in accordance with good industrial hygiene and safety practise.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Containers should be Polyethylene container

Storage stability : Approx. 24 months

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Engineering measures control to reduce exposure

When handling, the working area and methods should be designed to prevent direct contact with the product. Avoid skin and eye contact and inhalation of dust. Wear overalls, eye protection & gloves. Respiratory protection is required in dusty environment. Use an approved dust mask. Use with adequate ventilation. Always wash hands before smoking, eating, drinking.

Eye and Face

Safety glasses with side-shields. Equipment for eye rinsing

Protective Clothing

Protecting clothes, rubber or plastic gloves.

Respiratory

None

TLV (US)1) : 2 mg Al/m³

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Water clear viscous liquid
Appearance	: No data available
Colour	: No data available
Odour	: Insignificant
Odour threshold	: No data available
pH	: Approx. 6.5 – 8.5
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: None
Freezing point	: No data available
Boiling point	: 100 - 120
Flash point	: None
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.20 - 1.310
Solubility	: Soluble at 25°C
Log Pow	: << 3
Solubility in organic solvents	: None
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable at normal condition

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with chlorite / hypochlorite

10.5. Incompatible materials

Unalloyed steel, galvanized surfaces

10.6. Hazardous decomposition products

Thermal decomposition (>200 °C) may liberate NO3-fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Splash cause burns on mucous membrane, eyes and respiratory organ.
Acute toxicity (inhalation)	

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Skin corrosion/irritation	: Not classified pH: Approx. 6.5 – 8.5
Serious eye damage/irritation	: Not classified pH: Approx. 6.5 – 8.5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

Algea	: 1.2 - 2 mg
Protozoa (Microregma)	: 18 mg/l

12.2. Persistence and degradability

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Persistence and degradability	The product is an organic substances / preparation by polymerization of certain organic products
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste residues can be diluted with water and neutralize with acids.

Suitable dumping according to local regulations.

Wear suitable protection clothing, rubber or plastic gloves and safety glasses with side-shields to handle the waste residues.

Waste residues disposal should be in accordance with local, state or national legislation.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

Shipping Information: Not regulated as a Hazardous material by DOT, IMO or IATA

International transport regulations

UN: Class : 8

UN: Packing group : III

Transport warning label : 8

ADR : Class 8,5 c

RID : Class 8,5 c

IMO-IMDG code : Class 8

IATA : Class 8

UN No. : 2581

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SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Asia Regulations:-

1. OSHA (Classification, Packaging and Labelling of Hazardous Chemicals) Regulations 1997.

2. OSHA (Use and Standard Exposure of Chemicals Hazardous to Health) Regulations 2000.

Labelling according to EU directives

- Danger symbol(s) : C (Corrosive)
- Risk phrase (s) : R 34 Causes burns
- Safety phrase (s) : S 26 in closed of contact with eyes, rinse immediately with plenty of water (15 min) and seek medical advice.
: S 37 Wear suitable gloves of plastic or rubber
: S 39 wear eye / face protection.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

MSDS Recent Revision Date : 31/01/2020

MSDS Recent Revision : 2.3

References : 1) Sax's Dangerous Properties of Industrial Materials 8th ed.
: 2) Hommel, Handbuch der Gefarlichen Guter
: 3) CEN, draft
: 4) Reported for Anionic Polymer
: 5) Reported for Non-ionic Polymer

Revision concern : CA No for Water.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product