

SUDFLOC 475

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue date: 3/4/2024 Revision date: 3/4/2027

Version: 1.3

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

1.1. Product identifier

Product form	: Substance
Trade name	: SUDFLOC 475
Product code	: SUDFLOC 475
Product group	: Trade product

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

1.2.1. Relevant identified uses

Use of the substance/mixture	: Potable Water Coagulation : Maximum User Limit is 10 mg/L
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1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ImproChem(Pty) Ltd T/A AECI Water
1 Wharhirst Road
Umbogintwini - South Africa
T +27(31) 949 8200

1.4. Emergency telephone number

Emergency number	: 0800 SPILLS or 0800 774557
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS09

Signal word (CLP)	: Warning
Hazard statements (CLP)	: H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: Wash hands and face thoroughly after handling Wear goggles, gloves, clothing and respiratory protection P202 - Do not handle until all safety precautions have been read and understood. P233 - Keep container tightly closed. P234 - Keep only in original container. P235 - Keep cool. P262 - Do not get in eyes, on skin, or on clothing. P362+P364 - Take off contaminated clothing and wash it before reuse. Spill area may be slippery MUL is 10 mg/L

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

SUDFLOC 475

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : SUDFLOC 475

Name	Product identifier	%
EPI-DMA Ammonia Terpolymer	(CAS-No.) 52722-38-0	40 – 50

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Get medical advice/attention if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Seek medical attention if ill effect develops.
First-aid measures after skin contact	: Wash immediately with lots of water. If skin irritation occurs: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell.
First-aid measures after ingestion	: Do NOT induce vomiting. Give water to drink. Call a poison center or a doctor if you feel unwell.

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

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: May be dangerously slippery if spilled.
Explosion hazard	: Not applicable.
Hazardous decomposition products in case of fire	: Carbon dioxide. Carbon monoxide. Nitrogen oxides.

5.3. Advice for firefighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Spill area may be slippery. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: If spilled, may cause the floor to be slippery. Evacuate area. Limit access only to the necessary cleaning personnel.
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6.1.1. For non-emergency personnel

Protective equipment	: Gloves. Protective clothing. Protective goggles. Wear suitable respiratory equipment in case of insufficient ventilation.
Emergency procedures	: Ventilate spillage area.
Measures in case of dust release	: Not applicable.

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".
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6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Prevent soil and water pollution.

6.3. Methods and material for containment and cleaning up

For containment	: Dam up the liquid spill.
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Dispose of materials or solid residues at an authorized site.

SUDFLOC 475

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: If spilled, may cause the floor to be slippery.
Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Protect from freezing. Provide local exhaust or general room ventilation.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Protect from freezing.
Incompatible products	: Oxidizing agent. alkali metals.
Incompatible materials	: Mild Steel, Copper, Copper Allys, Aluminium.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: Gloves, shoulder length. Protective clothing. Protective goggles. Safety Boots. Insufficient ventilation: wear respiratory protection.
Hand protection	: PVC gloves, Nitrile gloves
Eye protection	: Protective goggles
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment



Environmental exposure controls	: Avoid release to the environment.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous.
Colour	: Clear yellow to orange.
Odour	: Amine-like.
Odour threshold	: No data available
pH	: 2 – 7 @ 25 C
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -12 °C Not applicable
Freezing point	: No data available
Boiling point	: 100 °C
Flash point	: > 93 °C
Auto-ignition temperature	: > 200 °C
Decomposition temperature	: No data available
Flammability	: Not applicable
Vapour pressure	: 3.19 kPa @ 20 C
Relative vapour density at 20°C	: 1

SUDFLOC 475

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Relative density	: No data available
Density	: 1.14 – 1.18 kg/l
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Partition coefficient n-octanol/water (Log Kow)	: > 10
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 250 – 1000 cP @ 25C
Explosive properties	: No direct explosion hazard.
Oxidising properties	: Not classified as oxidising.
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 under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Freezing.

10.5. Incompatible materials

Oxidizing agent. Strong bases.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

SUDFLOC 475	
LD50 oral rat	> 2000 mg/kg
LD50 oral	> 2000 mg/kg Rabbit
EPI-DMA Ammonia Terpolymer (52722-38-0)	
LD50 oral rat	> 2000 mg/kg
LD50 oral	> 2000 mg/kg Rabbit

Skin corrosion/irritation	: Not classified pH: 2 – 7 @ 25 C
Serious eye damage/irritation	: Not classified pH: 2 – 7 @ 25 C
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 : Harmful to aquatic life with long lasting effects.

SUDFLOC 475

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Ecology - water : Aquatic toxicity is reduced by factors from 10 to 100 times in the presence of 5 to 10 mg/l organic carbon as is found in most surface waters.
The product is rapidly eliminated from the aquatic medium through irreversible adsorption onto suspended matter and dissolved organics.

SUDFLOC 475	
LC50 - Fish [1]	10 – 100 mg/l (Tests done in water containing DOC)
LC50 - Fish [2]	0.22 mg/l (Tests done in clean water) (Rainbow Trout)
EC50 - Crustacea [1]	10 – 100 mg/l (Tests done in water containing DOC)
EC50 - Crustacea [2]	≥ 0.14 mg/l (Test done in clean water)
EPI-DMA Ammonia Terpolymer (52722-38-0)	
LC50 - Fish [1]	10 – 100 mg/l (Tests done in water containing DOC)
LC50 - Fish [2]	0.22 mg/l (Tests done in clean water) (Rainbow Trout)
EC50 - Crustacea [1]	10 – 100 mg/l (Tests done in water containing DOC)
EC50 - Crustacea [2]	≥ 0.14 mg/l (Test done in clean water)

12.2. Persistence and degradability

SUDFLOC 475	
Persistence and degradability	Not readily biodegradable in water.
EPI-DMA Ammonia Terpolymer (52722-38-0)	
Persistence and degradability	Not readily biodegradable in water.

12.3. Bioaccumulative potential

SUDFLOC 475	
Partition coefficient n-octanol/water (Log Kow)	> 10
Bioaccumulative potential	Not bioaccumulative.
EPI-DMA Ammonia Terpolymer (52722-38-0)	
Partition coefficient n-octanol/water (Log Kow)	> 10
Bioaccumulative potential	Not bioaccumulative.
WATER (7732-18-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.38

12.4. Mobility in soil

SUDFLOC 475	
Mobility in soil	50 – 70 %
EPI-DMA Ammonia Terpolymer (52722-38-0)	
Mobility in soil	50 – 70 %

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

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not Regulated
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

SUDFLOC 475

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Not listed on REACH Annex XVII

Not listed on the REACH Candidate List

Not listed on REACH Annex XIV (Authorisation List)

15.1.2. National regulations

Germany

Regulatory reference : Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SUDFLOC 475

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

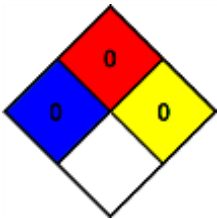
SECTION 16: Other information

- NFPA health hazard

: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.
- NFPA fire hazard

: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.
- NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



Full text of H- and EUH-statements:

Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
H412	Harmful to aquatic life with long lasting effects.

SDS ImproChem Test

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