

# SEP-F21

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 2/23/2024 Revision date: 2/23/2027 Version: 1.4

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

#### 1.1. Product identifier

Product form : Substance  
Trade name : SEP-F21  
CAS-No. : 52722-38-0  
Product code : SEP-F21  
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 : Coagulation

##### 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

### 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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS09

Signal word (CLP) : -  
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (CLP) : Dispose of in accordance with relevant local regulations  
Spill area may be slippery  
Wash hands and face thoroughly after handling  
Wear recommended personal protective equipment  
P202 - Do not handle until all safety precautions have been read and understood.  
P262 - Do not get in eyes, on skin, or on clothing.

#### 2.3. Other hazards

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

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

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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.

### 6.4. Reference to other sections

For further information refer to section 13.

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### 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 Alloys, 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

Device	Filter type	Condition	Standard



Environmental exposure controls : Avoid release to the environment.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Colour : Clear, light yellow to orange/amber. Free of foreign matter.
- Odour : Amine-like.
- Odour threshold : No data available
- pH : 2.7 – 3.9 @ 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

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Relative vapour density at 20°C	: 1
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	: 400 – 900 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

SEP-F21 (52722-38-0)	
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 – 3.9 @ 25 C
Serious eye damage/irritation	: Not classified pH: 2.7 – 3.9 @ 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.

SEP-F21 (52722-38-0)	
LC50 - Fish [1]	10 – 100 mg/l (T3sts done in water containing DOC)

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SEP-F21 (52722-38-0)	
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

SEP-F21 (52722-38-0)	
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

SEP-F21 (52722-38-0)	
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

SEP-F21 (52722-38-0)	
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)

<b>ADR</b>	
Transport hazard class(es) (ADR)	: Not applicable

<b>IMDG</b>	
Transport hazard class(es) (IMDG)	: Not applicable

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### 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

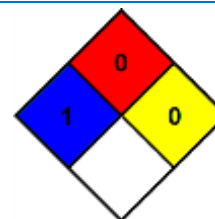
## SECTION 16: Other information

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NFPA health hazard	: 1 - Materials that, under emergency conditions, can cause significant irritation.
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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