

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

#### 1.1. GHS product identifier

Product form	: Substance
Trade name	: SEP-G48
Substance type	: Polymer
CAS-No.	: 9003-05-08
Product code	: SEP-G48
Product group	: Trade product

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended uses and restrictions : Flocculant

#### 1.4. Supplier's details

Improchem (Pty) Ltd T/A AECI Water  
1 Wharhirst Road  
Umbogintwini  
South Africa  
T +27 (031) 949 8200

#### 1.5. Emergency phone number

Emergency number : 0800 SPILLS OR 0800 774557

### SECTION 2: Hazard identification

#### 2.1. GHS classification of the substance/mixture and any national or regional information

##### Classification according to the United Nations GHS

Hazardous to the aquatic environment – Acute Hazard Not classified

Full text of H-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. GHS label elements, including precautionary statements

##### Labelling according to the United Nations GHS

Precautionary statements (GHS ZA) : P102 - Keep out of reach of children.

#### 2.3. Other hazards which do not result in classification or are not covered by the GHS

Other hazards not contributing to the classification : If spilled, may cause the floor to be slippery

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Substance type	: Polymer
Name	: SEP-G48
CAS-No.	: 9003-05-08

Product identifiers: See section 1.1

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Name	Product identifier	%	Classification according to the United Nations GHS
POLYACRYLAMIDE POWDER	CAS-No.: 9003-05-8		Acute Tox. Not classified (Dermal)

### 3.2. Mixture

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of necessary first aid measures

First-aid measures general	: Treat symptomatically.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Treat symptomatically. Seek medical advice.
First-aid measures after skin contact	: Wash contaminated clothing before reuse. Wash skin with plenty of water.
First-aid measures after eye contact	: Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms/effect, acute and delayed

No additional information available

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

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

### 5.2. Specific hazards arising from the chemical

Explosion hazard	: Dust may form explosive mixture in air.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

### 5.3. Special protective actions for fire-fighters

Precautionary measures fire	: Evacuate area. Eliminate all ignition sources if safe to do so.
Firefighting instructions	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Eliminate all ignition sources if safe to do so. Evacuate area.
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.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not handle until all safety precautions have been read and understood. Evacuate area.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. Spill area may be slippery.

#### 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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Emergency procedures : Do not touch spilled material. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Spill area may be slippery.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and materials for containment and cleaning up

For containment : Contain leaking substance. Spill area may be slippery. Using a clean shovel, put the material in a dry container and cover without compressing it.

Methods for cleaning up : Mechanically recover the product. Contain and/or absorb spill with inert material (sand), then place in suitable container.

Other information : Dispose of materials or solid residues at an authorized site.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed : If spilled, may cause the floor to be slippery.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ensure adequate ventilation, especially in confined areas. Facilities: shower, eye shower.

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Protect from moisture. Store in a well-ventilated place. Keep cool.

Storage area : Store in a cool area. Store in a dry area. Store in a well-ventilated place.

Incompatible products : Strong acids, bases. Strong bases. Strong oxidizing agents.

Heat and ignition sources : Keep away from heat and direct sunlight. Keep away from ignition sources.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment

Hand protection : Protective gloves

Eye protection : Protective goggles. Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s)



### 8.4. Exposure limit values for the other components

No additional information available

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### SECTION 9: Physical and chemical properties

#### 9.1. Basic physical and chemical properties

Physical state	: Solid
Appearance	: No data available
Colour	: Off-white. Off-white
Odour	: Odourless.
Odour threshold	: No data available
pH	: No data available
pH solution	: 1 % 7
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability	: Non flammable.
Vapour pressure	: No data available
Vapour pressure at 50°C	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: Not applicable
Relative density of saturated gas/air mixture	: No data available
Density	: 0.75 g/cm <sup>3</sup>
Relative gas density	: No data available
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Partition coefficient n-octanol/water (Log Kow)	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: 33 – 35 cP (0.5 % Soln)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Physical state	: Solid
Appearance	: No data available

#### 9.2. Data relevant with regard to physical hazard classes (supplemental)

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

None under recommended storage and handling conditions (see section 7).

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### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### SEP-G48 (9003-05-08)

LD50 oral rat	> 2000 mg/kg
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#### POLYACRYLAMIDE POWDER (9003-05-8)

LD50 oral rat	> 1000 mg/kg
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LD50 dermal rabbit	> 8200 mg/kg
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Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
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

#### SEP-G48 (9003-05-08)

Viscosity, kinematic	Not applicable
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## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified.  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

#### SEP-G48 (9003-05-08)

LC50 - Fish [1]	357 mg/kg
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LC50 - Other aquatic organisms [1]	212 mg/kg
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LC50 - Other aquatic organisms [2]	892 mg/kg
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### 12.2. Persistence and degradability

#### SEP-G48 (9003-05-08)

Persistence and degradability	No additional information available
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### 12.3. Bioaccumulative potential

#### SEP-G48 (9003-05-08)

Bioaccumulative potential	No additional information available
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### 12.4. Mobility in soil

#### SEP-G48 (9003-05-08)

Mobility in soil	No additional information available
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### 12.5. Other adverse effects

Ozone : Not classified  
Other adverse effects : No additional information available

## SECTION 13: Disposal Considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with SANS / IMDG / IATA

SANS	IMDG	IATA
<b>14.1. UN number</b>		
Not regulated for transport		
<b>14.2. UN Proper Shipping Name</b>		
Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>		
Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable
<b>14.4. Packing group, if applicable</b>		
Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

### 14.6. Special precautions for user

#### SANS

No data available

#### IMDG

No data available

#### IATA

No data available

### 14.7. Transport in bulk according to IMO instructions

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

### SECTION 16: Other information

Issue date : 26/09/2024

Revision date : 26/09/2027

Abbreviations and acronyms : ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE - Acute Toxicity Estimate  
BCF - Bioconcentration factor  
BLV - Biological limit value  
BOD - Biochemical oxygen demand (BOD)  
COD - Chemical oxygen demand (COD)  
DMEL - Derived Minimal Effect level  
DNEL - Derived-No Effect Level  
EC-No. - European Community number  
EC50 - Median effective concentration  
EN - European Standard  
IARC - International Agency for Research on Cancer  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
LC50 - Median lethal concentration  
LD50 - Median lethal dose  
LOAEL - Lowest Observed Adverse Effect Level  
NOAEC - No-Observed Adverse Effect Concentration  
NOAEL - No-Observed Adverse Effect Level  
NOEC - No-Observed Effect Concentration  
OECD - Organisation for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
PBT - Persistent Bioaccumulative Toxic  
PNEC - Predicted No-Effect Concentration  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
SDS - Safety Data Sheet  
STP - Sewage treatment plant  
ThOD - Theoretical oxygen demand (ThOD)  
TLM - Median Tolerance Limit  
VOC - Volatile Organic Compounds  
CAS-No. - Chemical Abstract Service number  
N.O.S. - Not Otherwise Specified  
vPvB - Very Persistent and Very Bioaccumulative  
ED - Endocrine disrupting properties

Safety Data Sheet (SDS), South Africa (HCA)

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