



## 1 Identification

### GHS Product Identifier

## ANIONIC GEL BLOCKS

### Other means of identification

CAS:	Not listed in registry
EC:	Not listed in registry
RTECS:	Not listed in registry
ICSC:	Not listed in registry
Chemical Family:	Polyacrylamide
Synonyms:	None
Proper Shipping Name:	Not regulated for transport
Chemical Formula:	Mixture

### Recommended use of the chemical and restriction on use

**Anionic gel blocks** are made from negatively charged polyacrylamide and are an effective flocculant for treatment of waste and process water. Not for food, drug or household use.

### Supplier's details

## AQUATRADE WATER TREATMENT CHEMICALS (PTY) LTD

4A Spanner Road PO Box 357  
Spartan, Kempton Park Isando  
Gauteng, South Africa Gauteng, South Africa  
1619 1600  
[www.aquatradesa.co.za](http://www.aquatradesa.co.za) Tel: +27 11 394 0752  
[sheq@aquatradesa.co.za](mailto:sheq@aquatradesa.co.za) Tel: +27 87 654 3326 (SDS Enquiries)

### Emergency phone number

+27 82 921 0643 (Available Mon - Fri, GMT 5:00 to 20:00)  
+27 861 000 366 (Available 24/7) SpillTech

## 2 Hazard(s) identification

### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

No hazards to classify.

For the full text of the H-Statements mentioned in this Section, see Section 16.

### GHS label elements

Warning

### Other hazards which do not result in classification

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Polyacrylamide			10 - 35	

## 4 First-aid measures

### Description of necessary first-aid measures

#### **Eye contact:**

Flush eyes with water as a precaution. Get medical attention if irritation develops or persists.

#### **Skin contact:**

Wash off with soap and water. Launder contaminated clothing before reuse. Get medical attention if irritation develops or persists.

#### **Inhalation:**

Remove to fresh air. Call a physician if symptoms develop or persist.

#### **Ingestion:**

Have victim rinse mouth thoroughly with water. If ingestion of a large amount does occur, seek medical attention.

#### **General advice:**

If you feel unwell, seek medical advice (show the label where possible).

#### **Most important symptoms/effects, acute and delayed**

Irritation of eyes when in contact. No known delayed effects and or symptoms.

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

Seek medical attention if any irritation persist after contact, swallowing or inhalation of product after initial first aid measures.

## 5 Fire-fighting measures

### Suitable extinguishing media

#### **Small Fires:**

Dry chemical, CO<sub>2</sub>, water spray or regular foam.

#### **Large Fires:**

Water spray, fog or regular foam.

#### **Unsuitable extinguishing media:**

None in particular.

### Specific hazards arising from the chemical

Avoid inhaling the fumes. In case of combustion the product develops oxides NO<sub>x</sub> and CO<sub>x</sub>.

### Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Spilled product in contact with water or moisture causes surfaces to become extremely slippery. Persons not wearing protective equipment as indicated in section 8 should be excluded from the area.

### Environmental precautions

Prevent further leakage or spillage if safe to do so.

### Methods and materials for containment and cleaning up

Scoop up and place in waste receptacle. Rinse contaminated area well with water.

## 7 Handling and storage

### Precautions for safe handling

Wear safety glasses and rubber gloves. Wash hands before breaks and immediately after handling the product.

### Conditions for safe storage, including any incompatibilities

Keep this product in original closed container in cool area away from heat and strong oxidising agents.

## 8 Exposure controls/personal protection

### Control parameters

#### **Occupational exposure limits:**

Not listed

#### **Additional exposure limits under the conditions of use:**

Not available.

#### **DNEL/DMEL and PNEC-Values:**

Not available.

### Appropriate engineering controls

Avoid spilling when handling the product. Supply safety shower and eyewash in immediate vicinity of exposure area. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

### Individual protection measures

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors. Recommendations below is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.



#### **Eye/face protection:**

Face shield and safety glasses or safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Contact lenses should not be worn; they may contribute to severe eye injury.

#### **Skin protection:**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### **Full contact**

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

#### **Splash contact**

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves.

#### **Body Protection:**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:**

No respiratory protection required.

## 9 Physical and chemical properties

### Physical and chemical properties

Appearance (physical state, colour etc):	Blue Gel
Odour:	Odourless
Odour threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point:	Do not flash
Evaporation rate:	No data available
Flammability (solid, gas):	Not flammable
Upper/lower flammability or explosive limits:	Not flammable or explosive
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	No data available
Solubility(ies):	Miscible in water
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10 Stability and reactivity

### Reactivity

No known reactivity.

### Chemical stability

Stable at normal conditions.

### Possibility of hazardous reactions

Will not occur.

### Conditions to avoid

Avoid high temperatures.

### Incompatible materials

Strong oxidizing agents and reducing agents.

### Hazardous decomposition products

No data available. In case of combustion the product develops oxides NO<sub>x</sub> and CO<sub>x</sub>.

## 11 Toxicological information

### Toxicological (health) effects

This product has no known adverse effect on human health.

### Information on the likely routes of exposure

Skin and eye contact - YES

Ingestion - YES

### Symptoms related to the physical, chemical and toxicological characteristics

No known symptoms.

## Delayed and immediate effects and also chronic effects from short and long term exposure

No known delayed effects. Immediate effects limited to irritation of eyes if in contact.

## Numerical measures of toxicity (such as acute toxicity estimates)

Acute oral toxicity:

LD<sub>50</sub> Mouse: >5 000 mg/kg

## Interactive effects

None known.

## Where specific chemical data are not available

No data available.

## Mixtures

No data available.

## Mixture versus ingredient information

No data available.

## Other information

No data available.

## 12 Ecological information

### Toxicity

<b>Acute toxicity:</b>		<b>Category:</b>
EC <sub>50</sub> Fish	>100 mg/l	Not classifiable
EC <sub>50</sub> Daphnia	>100 mg/l	Not classifiable
EC <sub>50</sub> Algae	>100 mg/l	Not classifiable
EC <sub>50</sub> Micro-organism	No data	

The product is considered to be of very low toxicity towards aquatic life and hence not classified according to (EC) No 1272/2008 regulation.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Ecological injuries are not known or expected under normal use.

### Mobility in soil

No data available.

### Other adverse effects

None known.

## 13 Disposal considerations

### Disposal methods

#### **Waste disposal recommendations:**

Dispose of waste and container in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle/reuse. Remove for physico-chemical/biological treatment. **Avoid** discharge into drains or the environment.

#### **Ecology - waste materials:**

**Avoid** release to the environment.

**Empty Container:**

**Avoid** reuse of packaging material. Recycle/discard in chemical waste.

## 14 Transport information

**UN Number**

NOT REGULATED FOR TRANSPORT

**UN Proper Shipping Name**

NOT REGULATED FOR TRANSPORT

**Transport hazard class(es)**

Not regulated.

**Packing group, if applicable**

Not regulated.

**Environmental hazards**

Not hazardous to the environment.

**Special precautions for user**

None except those in sections 4 to 8.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

## 15 Regulatory information

**Safety, health and environmental regulations specific for the product in question**

**SA NATIONAL LEGISLATION**

Hazardous Substances Act 15 of 1973 and Regulations.

Occupational Health and Safety Act 85 of 1993 and Regulations.

**SA NATIONAL STANDARDS**

SANS 10228 : 2006 : Identification and Classification of Dangerous Goods for Transport by Road and Rail.

SANS 10231 : 2018 : Transport of dangerous goods - Operational requirements for road vehicles.

SANS 10234 : 2008 : Globally Harmonized System of classification and labelling of chemicals (GHS).

SANS 11014 : 2010 : Safety Data Sheets for chemical Products.

**REACH Regulation (EC) No 1907/2006**

This product contains only components that have been either pre-registered, registered, are exempt from registration, are regarded as registered or are not subject to registration according to Regulation (EC) No. 1907/2006 (REACH)., The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer's/user's responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

**Seveso III: Directive 2012/18/EU**

Listed in Regulation: Not applicable

***Chemical safety assessment:***

Not assessed.

## 16 Other information

**Other information**

***Full text of H-P Statements referred to under section 2.***

***Hazard statements***

**None**

**Precautionary statements**

None

**Labelling REGULATION (EC) No 1272/2008**

**Signal Word**

None

**Pictograms**

None

Training advice

Provide adequate information, instruction and training for operators.

**Compiled by Aquatrade Water Treatment Chemicals (Pty) Ltd, R. van Rooyen, SHEQ and. E Le Sar, Director.**

**MANUFACTURER/SUPPLIER DISCLAIMER:**

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any national or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.

Revision History

Revision:	Date:	Change:
1.0	2019/01/17	Preparation of the safety data sheet according to Regulation (EC) No 1907/2006 of the European Parliament and of the Council