

Safety Data Sheet

AQUATREAT® 539

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER

Chemical type : Mixture
Name : AQUATREAT® 539

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 : Dispersant for reverse osmosis

| Title | Sector of use | Product category | Process category | Article category | Environmental release | SPERC |
|--|---------------------------|------------------|-------------------------------------|------------------|-----------------------|----------------------------|
| Industrial use of water treatment products | SU0, SU3, SU5, SU22, SU23 | PC37 | PROC2, PROC4, PROC8a, PROC8b, PROC9 | | ERC4 | ESVOC SPERC 3.22a.v1 |

Full text of use descriptors: see section 16

1.2.2. Uses advised against

No additional information available

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

International Aquatreat company bvba
Industrial Zone B 122 - Nieuwlandlaan 40/42
3200 AARSCHOT - Belgium
T +32 (0)16 562121
aquatreat@aquatreat.be - www.aquatreat.eu

1.4. EMERGENCY TELEPHONE NUMBER

No additional information available

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. LABEL ELEMENTS

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

Precautionary statements (CLP) : P280 - Wear protective gloves/protective clothing/eye protection/face protection

EUH-statements : EUH031 - Contact with acids liberates toxic gas

2.3. OTHER HAZARDS

This substance/mixture does not meet the PBT/vPvB criteria of REACH regulation, annex XIII

Other hazards not contributing to the classification : None.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. SUBSTANCE

Not applicable

3.2. MIXTURE

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|------|---|
| sodium hydrogensulphite ... %, sodium bisulphite ... % | (CAS No) 7631-90-5 (EC no) 231-548-0 (EC index no) 016-064-00-8 (REACH-no) 01-2119524563-42-0000 | < 25 | Acute Tox. 4 (Oral), H302 |

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

First-aid measures after inhalation : Move the person to fresh air.
First-aid measures after skin contact : Wash immediately with lots of water.
First-aid measures after eye contact : Wash immediately with lots of water (15 minutes).
First-aid measures after ingestion : Immediately after ingestion: give lots of water to drink. Seek medical advice immediately.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No additional information available

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No additional information available

SECTION 5: FIREFIGHTING MEASURES

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media : Powder. Foam. Water.
Unsuitable extinguishing media : Not specified.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Reactivity : Generates toxic gas in contact with acid (SO₂).

5.3. ADVICE FOR FIREFIGHTERS

No additional information available

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

General measures : Protective clothing.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. ENVIRONMENTAL PRECAUTIONS

Plug the leak, cut off the supply. Prevent soil and water pollution.

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6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for cleaning up : Clean contaminated surfaces with an excess of water.

6.4. REFERENCE TO OTHER SECTIONS

No additional information available

SECTION 7: HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling : Keep packing tightly closed.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions : Keep container in a well ventilated place.

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

Hand protection : Gloves.

Eye protection : Protective goggles.

Skin and body protection : Wear suitable gloves, resistant to chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid

Appearance : Turbid.

Colour : Light green.

Odour : Odourless.

Odour threshold : No data available

pH : 4,9 +/- 1

Melting point : No data available

Freezing point : No data available

Boiling point : > 100 °C

Flash point : No data available

Relative evaporation rate (butylacetate=1) : No data available

Flammability (solid, gas) : No data available

Explosive limits : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : 1,19 +/- 0,02

Solubility : Water solubility: 100%.
Water: Completely soluble

Log Pow : No data available

Auto-ignition temperature : No data available

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Decomposition temperature : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available

9.2. OTHER INFORMATION

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. REACTIVITY

Generates toxic gas in contact with acid (SO₂).

10.2. CHEMICAL STABILITY

Stable at normal conditions.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

No additional information available

10.4. CONDITIONS TO AVOID

Freezing. (strong) acids.

10.5. INCOMPATIBLE MATERIALS

No additional information available

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

No additional information available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity : Not classified

| AQUATREAT® 539 | |
|----------------|----------------|
| LD50 oral rat | > 15000 mg/kg |
| ATE CLP (oral) | 8000,000 mg/kg |

Skin corrosion/irritation : Not classified
pH: 4,9 +/- 1
Serious eye damage/irritation : Not classified
pH: 4,9 +/- 1
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified

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SECTION 12: ECOLOGICAL INFORMATION

12.1. TOXICITY

Ecology - water : Readily biodegradable in water

12.2. PERSISTENCE AND DEGRADABILITY

No additional information available

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

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This substance/mixture does not meet the PBT/vPvB criteria of REACH regulation, annex XIII

12.6. OTHER ADVERSE EFFECTS

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

Ecology - waste materials : Do not discharge into drains or the environment. Refer to manufacturer/supplier for information on recovery/ recycling.

SECTION 14: TRANSPORT INFORMATION

Not regulated for transport

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 substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. CHEMICAL SAFETY ASSESSMENT

No additional information available

SECTION 16: OTHER INFORMATION

Other information : The contents and format of this material safety data sheet are in accordance with REACH 1907/2006 and CLP-EU 1272/2008. All the given information is correct to our current knowledge. None of the indications, compositions or applications have the intention of violating existing patents. Nothing may be duplicated and/or multiplied without our written consent.

Full text of R-, H- and EUH-statements:

| | |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| H302 | Harmful if swallowed |
| EUH031 | Contact with acids liberates toxic gas |

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| | |
|-------------------------|--|
| ERC4 | Industrial use of processing aids in processes and products, not becoming part of articles |
| ESVOC SPERC 3.22a.v1 | Water treatment chemicals: Industrial (SU10) |
| PC37 | Water treatment chemicals |
| PROC2 | Use in closed, continuous process with occasional controlled exposure |
| PROC4 | Use in batch and other process (synthesis) where opportunity for exposure arises |
| PROC8a | Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities |
| PROC8b | Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities |
| PROC9 | Transfer of substance or preparation into small containers (dedicated filling line, including weighing) |
| SU0 | Other |
| SU22 | Professional uses: Public domain (administration, education, entertainment, services, craftsmen) |
| SU23 | Electricity, steam, gas water supply and sewage treatment |
| SU3 | Industrial uses: Uses of substances as such or in preparations* at industrial sites |
| SU5 | Manufacture of textiles, leather, fur |

REACH SDS Aquatreat

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