

## Material Safety Data Sheet

### AQUATREAT® 411

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Printing date: 17/06/2009

#### 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

##### IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

TRADE NAME AQUATREAT® 411

##### USE OF THE SUBSTANCE/PREPARATION

Biocide

##### COMPANY IDENTIFICATION

COMPANY International Aquatreat company bvba

ADDRESS Industrial Zone - Nieuwland 15

3200 AARSCHOT

TEL +32 (0)16 562121

FAX +32 (0)16 560166

WEBSITE www.aquatreat.be

##### EMERGENCY TELEPHONE NUMBER

EMERGENCY TELEPHONE NUMBER +32 (0)16562121

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

##### INFORMATION ON INGREDIENTS

NAME	CAS-NUMBER	EG NUMBER	CONC.	DANGER SYMBOLS	R-PHRASES
Quaternary ammonium	7173-51-5	230-525-2	5 ≤ C < 15 %	C	R22,R34

#### 3. HAZARDS IDENTIFICATION

##### DANGERS FOR HUMANS AND THE ENVIRONMENT

Causes burns.

OTHER DANGERS Frost

#### 4. FIRST AID MEASURES

##### INHALATION

Move the person to fresh air

##### SKIN

Wash immediately with lots of water

##### EYES

Wash immediately with lots of water (15 minutes)

##### INGESTION

Immediately after ingestion: give lots of water to drink

seek medical advice immediately

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#### 5. FIRE FIGHTING MEASURES

##### SUITABLE EXTINGUISHING MEDIA

Powder

Water

Foam

##### EXTINGUISHING MEDIA TO AVOID

Not specified

#### 6. ACCIDENTAL RELEASE MEASURES

##### PERSONAL PRECAUTIONS

Protective clothing

##### ENVIRONMENTAL PRECAUTIONS

Plug the leak, cut off the supply

Prevent soil and water pollution

##### METHODS FOR CLEANING UP

Clean contaminated surfaces with an excess of water

#### 7. HANDLING AND STORAGE

##### HANDLING

PRECAUTIONS MANIPULATION      Keep packing tightly closed

##### STORAGE

PRECAUTIONS STORAGE              Keep container in a well ventilated place.  
Ventilation - Ensure good ventilation

#### 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

##### PERSONAL PROTECTION

RESPIRATORY PROTECTION      /  
HAND PROTECTION                Gloves  
EYE PROTECTION                 Protective goggles  
SKIN PROTECTION                 Wear suitable gloves, resistant to chemicals

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

##### GENERAL INFORMATION

PHYSICAL STATE	Liquid
ODOUR	Odourless
COLOUR	Colourless
OTHER GENERAL INFORMATION	Clear
WATER SOLUBILITY	Completely soluble

##### VALUES OF PHYSICAL PROPERTIES

MELTING POINT	/
BOILING POINT (PREP)	> 100 °C
RELATIVE DENSITY	0,98 +/- 0,02
VAPOUR PRESSURE (20°C)	/
PH	7,8 +/- 1,0

##### DANGER OF EXPLOSION AND FIRE

FLASH POINT /

#### 10. STABILITY AND REACTIVITY

##### CONDITIONS AND MATERIALS TO AVOID

heat sources

##### HAZARDOUS DECOMPOSITION PRODUCTS

/

#### 11. TOXICOLOGICAL INFORMATION

##### TOXICITY

LD50 (ORAL,RAT)	= 238 mg/kg
LD50 (SKIN,RABIT)	= 3342 mg/kg

##### CHRONIC TOXICITY

CHRONIC TOXICITY Not listed in mutagenicity class (EG,MAK)

#### 12. ECOLOGICAL INFORMATION

##### ECOTOXICITY

LC50 (WATER ORGANISMS)	30 mg/l (96h), Algae
EC50 (DAPHNIA)	0,094 mg/l (48h)

##### PERSISTENCE AND DEGRADABILITY

WGK 1

##### OTHER ADVERSE EFFECTS

/

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#### 13.DISPOSAL CONSIDERATIONS

##### DISPOSAL OF THE PRODUCT AND WASTE

Refer to manufacturer/supplier for information on recovery/ recycling

Do not discharge into drains or the environment

#### 14.TRANSPORT INFORMATION

##### UNO

UN NUMBER 1903

##### ROAD (ADR)

UN NUMBER 1903

ADR-CLASS 8

ADR SYMBOL



8 -

Corrosive  
substances

ADR PROPER SHIPPING NAME UN 1903 disinfectant, liquid, corrosive, n.o.s., (mixture of quaternary ammonium), 8, III, (E)

ADR-PACKING GROUP III

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#### 15. REGULATORY INFORMATION

NAME OF THE COMPONENTS DETERMINING THE DANGER

**NAME**

Quaternary ammonium

EG NUMBER

230-525-2

DANGER SYMBOLS



C -

Corrosive

R-PHRASES

R34 - Causes burns.

S-PHRASES

S21 - When using do not smoke.

S23.5 - Do not breathe aerosol.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28.1 - After contact with skin, wash immediately with plenty of water.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

S38 - In case of insufficient ventilation, wear suitable respiratory equipment.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S60 - This material and its container must be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

#### 16. OTHER INFORMATION

R-PHRASES

R22 - Harmful if swallowed.

R34 - Causes burns.

FURTHER INFORMATION

The contents and format of this material safety data sheet are in accordance with EC Commission Directives 67/548/EC, 88/379/EC, 91/155/EC and updates from the European Commission.

REVISION

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REVIEW DATE

28/08/2008

SOURCES

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