

## Material Safety Data Sheet

### AQUATREAT® Neutralcal

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Printing date: 12/08/2010

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

##### IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

TRADE NAME AQUATREAT® Neutralcal

##### USE OF THE SUBSTANCE/PREPARATION

Increase of pH

##### 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
Sodium hydroxide	1310-73-2	215-185-5	>= 5 %	C	R35

#### 3. HAZARDS IDENTIFICATION

##### DANGERS FOR HUMANS AND THE ENVIRONMENT

Causes severe burns.

OTHER DANGERS None

#### 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.

#### 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	1,15 +/- 0,02
VAPOUR PRESSURE (20°C)	/
PH	> 11
VISCOSITY	/

##### DANGER OF EXPLOSION AND FIRE

FLASH POINT /

#### 10. STABILITY AND REACTIVITY

##### CHEMICAL REACTIONS

Heating up due to reaction with acids is possible

##### CONDITIONS AND MATERIALS TO AVOID

(strong) acids

heat sources

##### HAZARDOUS DECOMPOSITION PRODUCTS

/

#### 11. TOXICOLOGICAL INFORMATION

##### TOXICITY

LD50 (SKIN,RABIT) > 1350 mg/ kg

##### CHRONIC TOXICITY

CHRONIC TOXICITY

Not listed in mutagenicity class (EG,MAK)

Not listed in teratogenicity class (EG,MAK)

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#### 12.ECOLOGICAL INFORMATION

##### ECOTOXICITY

LC50 (FISH)	10 mg/l (48h)
LC50 (WATER ORGANISMS)	30 mg/l (96h), Algae
EC50 (DAPHNIA)	> 200 mg/l (48h)

##### MOBILITY

##### ENVIRONMENT INFORMATION FOR WATER

Mild water pollutant (surface water)

pH shift

Highly toxic to aquatic organisms

##### INFORMATION D'ENVIRONNEMENT OF THE SOIL

Soil contaminant

##### OTHER ADVERSE EFFECTS

/

#### 13.DISPOSAL CONSIDERATIONS

##### DISPOSAL OF THE PRODUCT AND WASTE

Refer to manufacturer/supplier for information on recovery/ recycling

Hazardous waste (91/689/EEG)

#### 14.TRANSPORT INFORMATION

##### UNO

UN NUMBER 1824

##### ROAD (ADR)

UN NUMBER 1824

ADR-CLASS 8

ADR SYMBOL



8 -

Corrosive

substances

ADR PROPER SHIPPING NAME UN 1824 sodium hydroxide, solution, 8, II, (E)

ADR-PACKING GROUP II

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#### 15. REGULATORY INFORMATION

NAME OF THE COMPONENTS DETERMINING THE DANGER

**NAME**

Sodium hydroxide

DANGER SYMBOLS



C -

Corrosive

R-PHRASES

R35 - Causes severe burns.

S-PHRASES

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

S37/39 - Wear suitable gloves and eye/face protection.

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

#### 16. OTHER INFORMATION

R-PHRASES

R35 - Causes severe 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

28/04/2005