

Material Safety Data Sheet

AQUATREAT® 102

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Printing date: 5/06/2009

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

TRADE NAME AQUATREAT® 102

USE OF THE SUBSTANCE/PREPARATION

Product for cooling water treatment

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
Hydrochloric acid	7647-01-0	231-595-7	< 10 %	C	R34,R37
Phosphonic acid	6419-19-8	220-552-8	>= 10 %	Xi	R41
Zinc chloride	7646-85-7	231-592-0	>= 10 %	C, N	R34,R50/53

3. HAZARDS IDENTIFICATION

DANGERS FOR HUMANS AND THE ENVIRONMENT

Causes burns., Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

Industrial Zone - Nieuwland 15

3200 AARSCHOT

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5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Powder

Foam

Water

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	Slightly turbid, white
OTHER GENERAL INFORMATION	Clear
WATER SOLUBILITY	Completely soluble

VALUES OF PHYSICAL PROPERTIES

MELTING POINT	/
BOILING POINT (PREP)	> 100 °C
RELATIVE DENSITY	1,14 +/- 0,02
VAPOUR PRESSURE (20°C)	/
PH	< 3,0

DANGER OF EXPLOSION AND FIRE

FLASH POINT /

10. STABILITY AND REACTIVITY

STABILITY

Stable at normal conditions

CHEMICAL REACTIONS

/

CONDITIONS AND MATERIALS TO AVOID

(strong) bases

Frostbite

HAZARDOUS DECOMPOSITION PRODUCTS

/

11. TOXICOLOGICAL INFORMATION

TOXICITY

LD50 (ORAL,RAT) > 1400 mg/kg

CHRONIC TOXICITY

CHRONIC TOXICITY No cumulative effect

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12.ECOLOGICAL INFORMATION

ECOTOXICITY

LC50 (FISH) 84 mg/l

EC50 (DAPHNIA) 48 mg/l

OTHER ADVERSE EFFECTS

/

13.DISPOSAL CONSIDERATIONS

DISPOSAL OF THE PRODUCT AND WASTE

Do not discharge into drains or the environment

Refer to manufacturer/supplier for information on recovery/ recycling

14.TRANSPORT INFORMATION

UNO

UN NUMBER 1760

ROAD (ADR)

UN NUMBER 1760

ADR-CLASS 8

ADR SYMBOL



8 -

Corrosive
substances

ADR PROPER SHIPPING NAME UN 1760 corrosive liquid, n.o.s., (mixture of zinc chloride and hydrochloric acid),

8, II, (E)

ADR-PACKING GROUP II

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15. REGULATORY INFORMATION

NAME OF THE COMPONENTS DETERMINING THE DANGER

NAME

Hydrochloric acid

Phosphonic acid

Zinc chloride

DANGER SYMBOLS



C -

Corrosive



N -

Dangerous

for the

environment

R-PHRASES

R34 - Causes burns.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-PHRASES

S7/8 - Keep container tightly closed and dry.

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

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.

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16. OTHER INFORMATION

R-PHRASES

R34 - Causes burns.

R37 - Irritating to respiratory system.

R41 - Risk of serious damage to eyes.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

3

REVIEW DATE

28/04/2005

SOURCES

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