



Fine Chemicals for Water Treatment

Material Safety Data Sheet

AQUATREAT® 105

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Printing date: 30/12/2010

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

TRADE NAME AQUATREAT® 105

USE OF THE SUBSTANCE/PREPARATION

Product for cooling water treatment

COMPANY IDENTIFICATION

COMPANY International Aquatreat company bvba

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2. HAZARDS IDENTIFICATION

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

Do not breathe ...

S35 - This material and its container must be disposed of in a safe way.

S7/8 - Keep container tightly closed and dry.

S28 - After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).

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

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

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

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.

S57 - Use appropriate container to avoid environmental contamination.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INFORMATION ON INGREDIENTS

NAME	CAS-NUMBER	EC 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

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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

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.

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8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

PERSONAL PROTECTION

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

9. PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

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

VALUES OF PHYSICAL PROPERTIES

MELTING POINT	/
BOILING POINT (PREP)	> 100 °C
RELATIVE DENSITY	1,27 +/- 0,02
VAPOUR PRESSURE (20°C)	/
PH	< 3
VISCOSITY	/

DANGER OF EXPLOSION AND FIRE

FLASH POINT	/
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10. STABILITY AND REACTIVITY

STABILITY

Stable at normal conditions

CHEMICAL REACTIONS

/

CONDITIONS AND MATERIALS TO AVOID

(strong) bases

Frostbite

HAZARDOUS DECOMPOSITION PRODUCTS

/

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11. TOXICOLOGICAL INFORMATION

TOXICITY

LD50 (ORAL,RAT) > 1400 mg/kg

CHRONIC TOXICITY

CHRONIC TOXICITY No cumulative effect

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



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Corrosive



N -

Dangerous

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environment

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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 REACH 1907/2006 and CLP-EU 1272/2008.

REVISION

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REVIEW DATE

24/12/2010

SOURCES

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