

## Material Safety Data Sheet

### AQUATREAT® 709

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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® 709

##### USE OF THE SUBSTANCE/PREPARATION

Corrosion inhibitor for steam- and condensate lines

##### 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. HAZARDS IDENTIFICATION

DANGER SYMBOLS



C - Corrosive

R-PHRASES

R22 - Harmful if swallowed.

R34 - Causes burns.

R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.

S-PHRASES

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

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

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

PREPARATION

Not classified as dangerous

OTHER DANGERS

None

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

##### INFORMATION ON INGREDIENTS

NAME	CAS-NUMBER	EC NUMBER	CONC.	DANGER SYMBOLS	R-PHRASES
Cyclohexylamine	108-91-8	203-629-0	10 <= C < 25 %	C	R10,R21/22,R34
Diethanolamine	111-42-2	203-868-0	>= 25 %	Xn	R48/22,R22,R38,R41

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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	Amine
COLOUR	Colourless
OTHER GENERAL INFORMATION	Clear
WATER SOLUBILITY	Completely soluble

##### VALUES OF PHYSICAL PROPERTIES

MELTING POINT	- 5 °C
BOILING POINT (PREP)	> 100 °C
RELATIVE DENSITY	1,02 +/- 0,02
VAPOUR PRESSURE (20°C)	/
PH	> 11
VISCOSITY	/

##### DANGER OF EXPLOSION AND FIRE

FLASH POINT	80 °C
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#### 10. STABILITY AND REACTIVITY

##### CHEMICAL REACTIONS

Heating up due to reaction with acids is possible

##### CONDITIONS AND MATERIALS TO AVOID

(strong) acids

##### HAZARDOUS DECOMPOSITION PRODUCTS

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#### 11. TOXICOLOGICAL INFORMATION

##### TOXICITY

LD50 (ORAL,RAT)	= 2000 mg/kg
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##### CHRONIC TOXICITY

CHRONIC TOXICITY	No cumulative effect
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#### 12.ECOLOGICAL INFORMATION

##### MOBILITY

ENVIRONMENT INFORMATION FOR WATER

Readily biodegradable in water

##### OTHER ADVERSE EFFECTS

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#### 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 3267

##### ROAD (ADR)

UN NUMBER 3267

ADR-CLASS 8

ADR SYMBOL



8 -

Corrosive  
substances

ADR PROPER SHIPPING NAME UN 3267 corrosive liquid, basic, organic, n.o.s., (mixture of cyclohexylamine and diethanolamine), 8, II, (E)

ADR-PACKING GROUP II

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#### 15. REGULATORY INFORMATION

NAME OF THE COMPONENTS DETERMINING THE DANGER

**NAME**

Cyclohexylamine

Diethanolamine

DANGER SYMBOLS



C -

Corrosive

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PREPARATION

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#### 16. OTHER INFORMATION

R-PHRASES

R10 - Flammable.

R21/22 - Harmful in contact with skin and if swallowed.

R22 - Harmful if swallowed.

R34 - Causes burns.

R38 - Irritating to skin.

R41 - Risk of serious damage to eyes.

R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.

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

5

REVIEW DATE

24/12/2010

SOURCES

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.

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