

Material Safety Data Sheet

AQUATREAT® 709

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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® 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. COMPOSITION/INFORMATION ON INGREDIENTS

INFORMATION ON INGREDIENTS

NAME	CAS-NUMBER	EG 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

3. HAZARDS IDENTIFICATION

DANGERS FOR HUMANS AND THE ENVIRONMENT

Harmful if swallowed., Causes burns., Harmful: danger of serious damage to health by prolonged exposure if swallowed.

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

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	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

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

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

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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 EC Commission Directives 67/548/EC, 88/379/EC, 91/155/EC and updates from the European Commission.

REVISION

4

REVIEW DATE

2/02/2007

SOURCES

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