

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** : CONDENSATE CONTROL  
**PRODUCT TYPE** : Boiler water treatment

**COMPANY** : UNI AMERICAS L.L.C.  
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 Slidell, Louisiana 70461  
 United States of America  
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 Emergency phone: 1-800-424-9300  
 Email Address: orders@uniam.net

<b>National Fire Protection Association (NFPA) :</b>		Health	3	<b>Hazardous Material Information System (HMIS) :</b>		Health	3
		Fire Hazard	3			Fire Hazard	3
		Reactivity	0			Reactivity	0

2. COMPOSITION/INFORMATION ON INGREDIENTS

- |                    |                 |
|--------------------|-----------------|
| 1. Cyclohexylamine | CASnr: 108-91-8 |
| 2. Morpholine      | CASnr: 110-91-8 |

3. HAZARDS IDENTIFICATION

**HUMAN HEALTH** : Causes burns. Harmful in contact with skin and when swallowed.

**RISK CLASSIFICATION** : Corrosive R-34 Causes burns  
 R-20/21 Harmful in contact with skin and when swallowed.

**EG SYMBOL** : Corrosive

**R-PHRASES** : 20/21, 34

**S-PHRASES** : 36/37/39, 45

**ENVIRONMENTAL HAZARDS** : Avoid release to the environment.

4. FIRST AID MEASURES

**INHALATION** : Remove to fresh air. Keep the patient calm. Transport to a hospital.

**SKIN** : Take of contaminated clothing immediately. Wash the skin with large amounts of water. Seek medical advice.

**EYE** : Flush with large amounts of water. Seek medical advice.

**INGESTION** : Wash the mouth with water. Do **NOT** induce vomiting. Transport to a hospital.

5. FIRE FIGHTING MEASURES

**FLASH POINT** : > 65 °C

**SPECIFIC HAZARDS** : See under 9

**EXTINGUISHING MEDIA** : Powder, foam, carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

- CLEANING UP** : Absorb spills in sand, earth or other inert material. Dispose of the material according to local regulations. Scrub contaminated surfaces with detergent solution.
- ENVIRONMENTAL PRECAUTION** : Prevent contamination of soil and water.

#### 7. HANDLING AND STORAGE

- HANDLING** : Use in well ventilated areas.
- STORAGE** : Keep in closed containers, in a dry place and frost free. Avoid contact with acids and oxidising agents.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- MAK** : 100 mg/m<sup>3</sup>.
- PREVENTIVE MEASURES** : Clean contaminated clothing before re-use. Use in well ventilated areas.
- PERSONAL PROTECTIVE EQUIPMENT** : Wear suitable protective clothing, eye protection and chemical resistant gloves. Wear breathing protection when spraying the product.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Clear liquid
- ODOUR** : Typical
- FLASH POINT** : > 65°C
- DENSITY (20°C)** : 1.0
- SOLUBILITY** : Miscible with water, not miscible with organic solvents

#### 10. STABILITY AND REACTIVITY

- STABILITY** : Stable min 2 years at ambient temperature if stored in closed container,
- REACTIVITY** : Avoid contact with acids and oxidising agents.
- HAZARDOUS DECOMPOSITION PRODUCTS** : Thermal decomposition may yield the following:  
Carbon oxides.

#### 11. TOXICOLOGICAL INFORMATION

Information given is based on knowledge of the constituents and the toxicology of similar substances.

<b>ORAL</b>	:	Corrosive, stomach ache, nausea LD50(rat) = 780 mg/kg (Cyclohexylamin calculated on the product).
<b>SKIN CONTACT</b>	:	Corrosive, redness, pain, severe burns. LD50 (rabbit) = 1385 mg/kg (Cyclohexylamin calculated on the product).
<b>EYE CONTACT</b>	:	Corrosive, loss of sight, severe burns.
<b>INHALATION</b>	:	Corrosive, coughing, short of breath, dizziness, nausea

## 12. ECOLOGICAL INFORMATION

Information given is based on knowledge of the constituents and the toxicology of similar substances.

Do not let down into the environment without thinning and neutralisation

## 13. DISPOSAL CONSIDERATIONS

Dispose of according to local regulations. Contaminated product is to be regarded as chemical waste.

## 14. TRANSPORT INFORMATION

<b>UN-number</b>	:	2356
<b>ADR</b>	:	8.54b)
<b>IMO</b>	:	8/II

## 15. REGULATORY INFORMATION

<b>EG</b>	:	
<b>SYMBOL</b>	:	Corrosive
<b>R-PHRASES</b>	:	20/21, 34
<b>S-PHRASES</b>	:	36/37/39, 45

## 16. OTHER INFORMATION

The information contained herein relates only to the specific material identified. Uniam believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, express or implied, is made as to the accuracy, reliability, or completeness of the information. Uniam urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

January 1, 2009