

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** : SAFE DESCALER  
**PRODUCT TYPE** : Industrial cleaning product

**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

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2. COMPOSITION/INFORMATION ON INGREDIENTS

|                   |                  |
|-------------------|------------------|
| 1. Sulphamic acid | CASnr: 5329-14-6 |
| 2. Additives      | Mixture          |

3. HAZARDS IDENTIFICATION

**HUMAN HEALTH** : Irritating to the eyes. Irritating when inhaled and upon swallowing.  
Inhalation of dust may cause pneumonia.

**RISK CLASSIFICATION** : Irritating R-36/38 Irritating to eyes and skin.

**ENVIRONMENTAL HAZARDS** : Reduces the pH of water and soil.

4. FIRST AID MEASURES

**INHALATION** : Remove to fresh air. Keep the patient calm in an upright position. Seek medical advice.

**SKIN** : Take of contaminated clothing immediately. Wash the skin with large amounts of water and soap.

**EYE** : Flush with large amounts of water. If the irritation remains seek medical advice.

**INGESTION** : Wash the mouth with water. Do **NOT** induce vomiting. If the irritation remains seek medical advice.

5. FIRE FIGHTING MEASURES

**FLASH POINT** : The product does not burn.

**SPECIFIC HAZARDS** : See under 9

**EXTINGUISHING MEDIA** : No limitations.

**6. ACCIDENTAL RELEASE MEASURES**

- CLEANING UP** : Scoop up the spill and dispose of the material according to local regulations. Scrub contaminated surfaces with detergent solution.
- ENVIRONMENTAL PRECAUTION** : Prevent contamination of soil and water.  
Do not let down into the environment without thinning and neutralisation.

**7. HANDLING AND STORAGE**

- HANDLING** : Do not breathe dust.
- STORAGE** : Keep in closed containers, in a dry place. Avoid contact with alkalines and nitric acid.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- MAK** : Not determined.
- 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. When ventilation is absent use breathing protection.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- APPEARANCE** : Powder, white
- ODOUR** : Neutral
- FLASH POINT** : None
- pH** : Acid
- BOILING POINT** : 100 °C
- DENSITY (20°C)** : 2.1
- 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 caustics and nitric acid.
- HAZARDOUS DECOMPOSITION PRODUCTS** : Thermal decomposition may yield the following:  
Carbon oxides, Nitrogen and Sulphurous oxides

**11. TOXICOLOGICAL INFORMATION**

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

|                     |   |   |
|---------------------|---|---|
| <b>ORAL</b>         | : | Irritating, throat ache, stomach ache, nausea, diarrhoea<br>LD50(rat): > 3000 mg/kg |
| <b>SKIN CONTACT</b> | : | Redness, pain, and burns.   |
| <b>EYE CONTACT</b>  | : | Loss of sight, and burns.   |
| <b>INHALATION</b>   | : | Throat ache, coughing, short of breath.   |

## 12. ECOLOGICAL INFORMATION

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

Reduction of pH can disturb the biological equilibrium in the aquatic environment. 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> | : | 2967   |
| <b>ADR</b>       | : | 8.16c) |
| <b>IMO</b>       | : | 8/III  |

## 15. REGULATORY INFORMATION

|                  |   |              |
|------------------|---|--------------|
| <b>EG</b>        | : | 016-026-00-0 |
| <b>SYMBOL</b>    | : | Irritating   |
| <b>R-PHRASES</b> | : | 36/38        |
| <b>S-PHRASES</b> | : | 26, 28       |

## 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