

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME** : PASSIVATING LIQUID  
**PRODUCT TYPE** : Industrial cleaning product

**COMPANY** : UNI AMERICAS L.L.C.  
57174 Hardin Road  
Slidell, Louisiana 70461  
United States of America  
Phone: + (1) 985-643-1002 Fax: + (1)-985-643-1003  
Emergency phone: 1-800-424-9300

Email Address: orders@uniam.net

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

1. Nitric acid CASnr: 7697-37-2

**3. HAZARDS IDENTIFICATION**

**HUMAN HEALTH** : Causes severe burns. Irritating to eyes, skin and respiratory system

**RISK CLASSIFICATION** : Corrosive R-35 Causes severe burns

**ENVIRONMENTAL HAZARDS** : Harmful to aquatic organisms. Reduces the pH of water and soil.

**4. FIRST AID MEASURES**

**INHALATION** : Remove to fresh air. Keep the patient calm in an upright position. Transport to a hospital.

**SKIN** : Take off contaminated clothing immediately. Wash the skin with large amounts of water. Consult a physician.

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

**INGESTION** : Wash the mouth with water. Transport to a hospital.

**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** : 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.  
Do not let down into the environment without thinning and neutralisation.

#### 7. HANDLING AND STORAGE

- HANDLING** : Do not breathe vapours or mists. Use in well ventilated areas.
- STORAGE** : Keep in closed containers, in a dry place and frost free. Avoid contact with caustics and with reducing agents.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- MAK** : 5 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 and mask with filter BE

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Clear liquid
- ODOUR** : Corrosive
- FLASH POINT** : None
- pH** : < 1
- BOILING POINT** : 100 °C
- DENSITY (20°C)** : 1.1
- 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 reducing agents. Forms easily explosive products in contact with metals.
- HAZARDOUS DECOMPOSITION PRODUCTS** : Thermal decomposition may yield the following:  
Nitrogen oxides

#### 11. TOXICOLOGICAL INFORMATION

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

<b>ORAL</b>	:	Corrosive, throat ache, stomach ache. Risk of irreversible effects. LDLo (human): >1200 mg/kg
<b>SKIN CONTACT</b>	:	Corrosive, redness, pain, burns.
<b>EYE CONTACT</b>	:	Corrosive, loss of sight, pain, burns.
<b>INHALATION</b>	:	Corrosive, throat ache, coughing, short of breath. NOx: LC50(rat) = 67 ppm

## 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>	:	Not regulated
<b>ADR</b>	:	Not regulated
<b>IMO</b>	:	Not regulated

## 15. REGULATORY INFORMATION

<b>EG</b>	:	007-004-01-9
<b>SYMBOL</b>	:	Corrosive
<b>R-PHRASES</b>	:	35
<b>S-PHRASES</b>	:	2, 23, 26, 36, 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