

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : PICKLING LIQUID
PRODUCT TYPE : Industrial cleaning product
COMPANY : UNI AMERICAS L.L.C.
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Slidell, Louisiana 70461
United States of America
Phone: + (1) 985-643-1002 Fax: + (1)-985-643-1003
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2. COMPOSITION/INFORMATION ON INGREDIENTS

1. Nitric acid	CASnr: 7697-37-2
2. Hydrofluoric acid	CASnr: 7664-39-3

3. HAZARDS IDENTIFICATION

HUMAN HEALTH : Causes burns. Irritating to eyes, skin and respiratory system Toxic in contact with skin and if swallowed.
RISK CLASSIFICATION : Corrosive R-35 Causes burns
ENVIRONMENTAL HAZARDS : Harmful to aquatic organisms. Reduces the pH of water and soil.

4. FIRST AID MEASURES

PRODUCT IS ABSORBED BY THE SKIN. ALWAYS SEEK MEDICAL ADVICE.

INHALATION : Remove to fresh air. Keep the patient calm in an upright position. Transport to a hospital.
SKIN : Take of contaminated clothing immediately. Wash the skin with large amounts of water. Put a 10% Calciumgluconate gel on the exposed area. Transport to a hospital.
EYE : Flush with large amounts of water. Transport to a hospital (with eye-specialist!)
INGESTION : Wash the mouth with water. Give 200 ml of a 4% Calciumgluconate solution to drink. If not present, milk or water. Do **NOT** induce vomiting. Transport to a hospital.

5. FIRE FIGHTING MEASURES

FLASH POINT : The product does not burn.
SPECIFIC HAZARDS : See under 9
EXTINGHUISING MEDIA : No limitations.

6. ACCIDENTAL RELEASE MEASURES

- CLEANING UP** : Neutralise the spill with sodium bicarbonate. 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. Keep Calciumgluconate gel and solution at hand.
- 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** : 2.5 mg/m³.
- PREVENTIVE MEASURES** : Clean contaminated clothing before re-use. Use in well ventilated areas. Keep Calciumgluconate gel and solution and eye-washer at hand.
- PERSONAL PROTECTIVE EQUIPMENT** : Wear suitable protective clothing, eye protection and chemical resistant gloves and mask with filter E.

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.

ORAL	:	Corrosive, throat ache, stomach ache. Risk of irreversible effects.
SKIN CONTACT	:	Corrosive, redness, pain, burns. HF: LDLo (mouse) = 0.5 gr/kg
EYE CONTACT	:	Corrosive, loss of sight, pain, burns.
INHALATION	:	Corrosive, throat ache, coughing, short of breath. HF: LCLo (human) = 50 ppm/30 M 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

UN-number	:	2031
ADR	:	8.26
IMO	:	8/I

15. REGULATORY INFORMATION

EG	:	007-004-01-9
SYMBOL	:	Corrosive
R-PHRASES	:	35
S-PHRASES	:	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