

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : RUST OFF
PRODUCT TYPE : Industrial cleaning product

COMPANY : UNI AMERICAS L.L.C.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

1. Phosphoric acid	CASnr: 7664-38-2
2. Surfactants	Mixture

3. HAZARDS IDENTIFICATION

HUMAN HEALTH : Causes burns.

RISK CLASSIFICATION : Corrosive R-34 Causes burns

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. Transport to a hospital.

SKIN : Take of 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. Do **NOT** induce vomiting. 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** : 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.
- STORAGE** : Keep in closed containers, in a dry place and frost free. Avoid contact with alkalines.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- MAK** : 1 mg/m³.
- 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 spraying the product use breathing protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Clear liquid
- ODOUR** : Neutral
- FLASH POINT** : None
- pH** : < 1
- BOILING POINT** : 100 °C
- DENSITY (20°C)** : 1.2
- 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.
- HAZARDOUS DECOMPOSITION PRODUCTS** : Thermal decomposition may yield the following:
Carbon oxides, Phosphorous oxides (>200°C).

11. TOXICOLOGICAL INFORMATION

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

ORAL	:	Throat ache, stomach ache, nausea LD50 (rat) > 4000 mg/kg (Phosphorous acid calculated on the product).
SKIN CONTACT	:	Redness, pain, burns. LD50 (rabbit) > 4000 mg/kg (Phosphorous acid calculated on the product).
EYE CONTACT	:	Loss of sight, and burns.
INHALATION	:	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. In diluted form, the product will act as manure.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

UN-number	:	1805
ADR	:	8.11c)
IMO	:	8/III

15. REGULATORY INFORMATION

EG	:	015-012-00-6
SYMBOL	:	Corrosive
R-PHRASES	:	34
S-PHRASES	:	26

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