



Material Safety Data Sheet

Conforms to ISO 11014:2009

RUST REMOVER

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Product name : RUST REMOVER
Use/description of product : Rust remover and inhibitor
Company name : Kiarah Chemicals
 Unit 4
 Cnr. Berry and Nederveen Road
 Roodekop
 Germiston
 Tel: +2711 865 1199
 Fax: +2711 856 3671
 E-mail: kiarah@enyuka.com
Poison Centre : 0861 555 777 or 021 658 5308

2. HAZARD IDENTIFICATION

Potential Acute Health Effects: Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Hazardous in case of skin contact (corrosive, permeator), of eye contact (corrosive). Slightly hazardous in case of inhalation (lung sensitizer). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects: CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, liver, skin, eyes, bone marrow. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients : ■ Phosphoric acid (CAS NO.7664-38-2)

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4. FIRST-AID MEASURES

- Skin contact** : Wash immediately with plenty water
Eye contact : Wash with running water for 15 minutes and seek medical attention should irritation persist
Ingestion : Rinse mouth with running water. If conscious give half a liter of milk immediately. Do not induce vomiting
Inhalation : Move to fresh air should any complications arise seek medical attention

5. FIRE-FIGHTING MEASURES

- Extinguishing Media Suitable** : Extinguish with dry chemical powder, water spray, foam or fog
Unusual fire/explosion hazard : None
Hazardous thermal (De) composition products : N/A
Special fire-fighting procedures : Fire fighters must wear positive pressure self contained breathing apparatus and full turnout gear.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear suitable personal protective equipment.
Environmental precautions and clean-up methods : Absorb with an inert material and put the spilled material in an appropriate waste disposal unit

7. HANDLING AND STORAGE

- Handling** : Keep away from heat. Keep away from sources of ignition
Storage : Keep container tightly closed. Store in a cool well ventilated area.
: Keep out of reach of children
Packaging material : Use original packaging

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

- Engineering measures** : Proper ventilation of area
Hygiene measures : Wash hands after handling and before eating.

Personal protective equipment

- Respiratory system** : Wear appropriate respirator when ventilation is inadequate.
Skin and body : Wear protective personal equipment
Hands : Wear house hold gloves
Eyes : Wear safety glasses

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Free flowing Liquid
Colour	: Clear
Odour	: Characteristic
Boiling point	: > 99.9°C (211.8°F)
Solubility in water	: Soluble
Relative density	: 1.050
pH	: 1% = 0 - 1

10. STABILITY AND REACTIVITY

Stability	: This product is stable.
Conditions to avoid	: Excessive heat
Materials to avoid	: Reactive to oxidizing agents.
Hazardous Decomposition	: Not applicable.

Products

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients : H3PO4

Symptoms

Skin contact	: May cause irritation.
Eye contact	: There may be irritation and redness.
Ingestion	: There may be soreness and redness of the mouth and throat.
Inhalation	: May cause irritation.

Actions

Skin contact	: Wash immediately with plenty running water
Eye contact	: Flush with running water for 15 minutes. Seek medical attention if irritation continues.
Ingestion	: Wash out mouth with running water for 15 minutes. Do not induce vomiting. Seek medical attention. If conscious give half a liter of milk
Inhalation	: Move patient to fresh air

12. ECOLOGICAL INFORMATION

Mobility	: Readily absorbed into soil.
Persistence and degradability	: Biodegradable.
Biocumulative potential	: No bioaccumulation potential.
Other adverse effects	: No ecotoxicity.




13. DISPOSAL CONSIDERATIONS

Methods of disposal : Observe local disposal regulations

14. TRANSPORT INFORMATION

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Local/International transport regulations:

Regulatory information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
SABS 0228 CLASS	Not regulated	-	-			
IMDG Class	Not regulated	-	-			
IATA-DGR Class	Not regulated	-	-			

South African Transport Legislation: See SABS 0228, 0229, 0231, 0232-1, 0232-3, 1518

15. REGULATORY INFORMATION

SABS 0263/EU Regulations

Hazard symbol(s) :



Corrosive

- Indication of danger** : Harmful
- Risk phrases** : R22 – Harmful if swallowed
R36/38 – Irritating to eyes and skin.
R43 – May cause sensitization by skin contact.
- Safety phrases** : S2 - Keep out of reach of children.
S24 – Avoid skin contact.
S37 – Wear suitable gloves.
S46 – If swallowed, seek medical advice immediately and show this document, product container or label.
- Contains** : H3PO4
- Product use** : Rust remover and inhibitor
- South Africa** : See The Occupational Health & Safety Act 85 of 1993.
- Storage legislation** : See SABS 072

16. OTHER INFORMATION

This product is a highly concentrated cleaner that will remove rust, and lime scale amongst other residual flakes on metal surfaces leaving the clean and shiny

Notice to reader :

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The above information is believed to be correct but does not purport to be inclusive and shall only be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product

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