



**SAFETY DATA SHEET**  
**RUST REMOVER**

Issue Number 1, Issue Date 2024.04.15

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

Product Name: RUST REMOVER  
 Manufacturer: CHEM CLEAN LTD  
 Address: #58-60 Century Drive  
 Trincity Industrial Estate  
 Macoya  
 Trinidad and Tobago

**EMERGENCY TELEPHONE NUMBER (868) 223 2436**

Restriction on use: Not to be used with strong alkalis and oxidizing agents. For specific intended use guidance, please refer to the information provided on the package.

**2. HAZARDS IDENTIFICATION**

**GHS Classification**

Corrosive to metals Category 1  
 Skin corrosion Category 1B  
 Serious eye damage: Category 1

**GHS Label element**

Hazard pictograms:



Signal Word: Danger

Hazard Statements: H290: May be corrosive to metals.  
 H302: Harmful if swallowed.

H314: Causes severe burns and eye damage.

Precautionary Statements:

P102: Keep out of reach of children.  
P103: Read label before use.

Prevention Precautionary Statements:

P233: Keep container tightly closed.  
P262: Do not get in eyes, on skin, or on clothing.  
P264: Wash hands thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection.  
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

Response Precautionary Statements:

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

Storage Precautionary Statements:

P404: Store in a closed container.

P403+233: Store in a well ventilated place. Keep container tightly closed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS       | CHEMICAL NAME   | % CONCENTRATION |
|-----------|-----------------|-----------------|
| 7664-38-2 | Phosphoric Acid | 25 - 35         |

Any concentration shown as a range is to protect confidentiality.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.



#### 4. FIRST AID MEASURES

|                |  |
|----------------|--|
| General Advice | <ul style="list-style-type: none"> <li>◆ In the case of accident or if you feel unwell, seek medical advice immediately.</li> </ul>  |
| Skin Contact   | <ul style="list-style-type: none"> <li>◆ Immediately flush skin with plenty of cool running water for at least 15 minutes.</li> <li>◆ Immediately remove contaminated clothing.</li> <li>◆ Wash contaminated clothing before reuse.</li> <li>◆ Immediate medical attention is required if irritation persists or burns develop.</li> </ul> |
| Eye Contact    | <ul style="list-style-type: none"> <li>◆ Rinse cautiously with water for several minutes.</li> <li>◆ Remove contact lens (if worn) and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.</li> <li>◆ Immediate medical attention is required if symptoms persist.</li> </ul>                         |
| Inhalation     | <ul style="list-style-type: none"> <li>◆ If breathing is difficult, move victim to fresh air and keep at rest in a position comfortable for breathing.</li> <li>◆ If not breathing, give artificial respiration.</li> <li>◆ Medical attention is required if symptoms persist.</li> </ul>  |
| Ingestion      | <ul style="list-style-type: none"> <li>◆ If swallowed, rinse mouth thoroughly.</li> <li>◆ DO NOT induce vomiting.</li> <li>◆ Immediate medical attention is required if symptoms persist.</li> </ul>   |

#### 5. FIRE-FIGHTING MEASURES

|   |   |
|---|---|
| Flash Point   | <ul style="list-style-type: none"> <li>◆ N/A</li> </ul>   |
| Suitable Extinguishing Media  | <ul style="list-style-type: none"> <li>◆ Water – spray</li> <li>◆ Alcohol-resistant foam</li> <li>◆ Dry chemical or carbon dioxide</li> </ul>   |
| Extinguishing media which must not be used for safety reasons   | <ul style="list-style-type: none"> <li>◆ N/A</li> </ul>   |
| Specific Hazards  | <ul style="list-style-type: none"> <li>◆ Cool exposed containers with water spray to prevent pressure build-up.</li> <li>◆ Toxic Hydrogen Chloride fumes may be released in a fire.</li> <li>◆ Must wear NIOSH approved self-contained breathing apparatus and protective clothing.</li> <li>◆ Avoid exposure to mists and splashes.</li> </ul> |
| Special exposure hazards arising from the substance, or preparation itself, its combustion products or released gases | <ul style="list-style-type: none"> <li>◆ Material is corrosive.</li> <li>◆ Can react with soft metals such as Aluminum or Zinc generating hydrogen gas which is flammable and/or combustible in the presence of an ignition source.</li> </ul>  |



|  |  |
|--|--|
| Special Protective Equipment for fire-fighters | <ul style="list-style-type: none"> <li>◆ As in any fire, wear NIOSH approved self-contained breathing apparatus and full protective gear.</li> </ul>   |
| Specific Methods                               | <ul style="list-style-type: none"> <li>◆ Cool containers / Tanks with water spray.</li> <li>◆ Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.</li> </ul> |

**6. ACCIDENTAL RELEASE MEASURES**

|                           |  |
|---------------------------|--|
| Personal Precautions      | <ul style="list-style-type: none"> <li>◆ Ensure adequate ventilation.</li> <li>◆ Do not get in eyes or skin. Do not swallow.</li> <li>◆ Use personal protective equipment.</li> <li>◆ Wash thoroughly after handling.</li> <li>◆ Do not inhale fumes/vapours/mist/sprays.</li> </ul>   |
| Environmental Precautions | <ul style="list-style-type: none"> <li>◆ Discharge in accordance with Government Regulations.</li> <li>◆ Do not discharge into lakes, stream, ponds or public water.</li> </ul>  |
| Methods for cleaning up   | <ul style="list-style-type: none"> <li>◆ Small spills: Wash down with large quantities of water in sanitary sewer.</li> <li>◆ Large spills: Dike to prevent runoff. Reclaim as much as possible. Absorb remainder with inert material (sand or vermiculite) and place in compatible container for disposal. Flush residue with large amounts of water into sanitary sewer.</li> <li>◆ Cleaning up personnel should wear appropriate protective equipment.</li> </ul> |

**7. HANDLING AND STORAGE**

Handling

|                                |  |
|--------------------------------|--|
| Technical Measures/Precautions | <ul style="list-style-type: none"> <li>◆ Avoid contact with skin, eyes, and clothing.</li> <li>◆ Ensure adequate ventilation.</li> <li>◆ <b>KEEP OUT OF REACH OF CHILDREN</b></li> </ul>   |
| Safe Handling Advice           | <ul style="list-style-type: none"> <li>◆ Always add product to water. Never add water to product.</li> <li>◆ Avoid contact with eyes. Wash hands immediately after contact to avoid hand-eye transfer.</li> <li>◆ In case of insufficient ventilation, wear suitable NIOSH respiratory equipment.</li> </ul> |

Storage

|                                |   |
|--------------------------------|---|
| Technical Measures/Precautions | <ul style="list-style-type: none"> <li>◆ Keep containers tightly closed in a cool, dry, and well-ventilated place.</li> <li>◆ Store in properly labeled containers.</li> <li>◆ Do not stack empty containers.</li> <li>◆ Do not reuse empty containers – they may contain residues and can be dangerous.</li> <li>◆ Do not mix with anything but water</li> </ul> |
|--------------------------------|---|



|                       |  |
|-----------------------|--|
| Incompatible Products | <ul style="list-style-type: none"> <li>◆ Do not mix with alkaline or chlorine containing cleaners, peroxides or reducing agents.</li> <li>◆ Avoid contact with aluminum, zinc, other soft metal or galvanized metal, or other metals except as directed on label.</li> </ul> |
|-----------------------|--|

**8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

|                                      |   |
|--------------------------------------|---|
| <u>Engineering Measures</u>          | <ul style="list-style-type: none"> <li>◆ The use of local exhaust ventilation is not a necessity.</li> <li>◆ If vapors or mist in air, use corrosion-resistant ventilation equipment.</li> </ul>  |
| <u>Personal Protective Equipment</u> |   |
| Hand Protection                      | <ul style="list-style-type: none"> <li>◆ Neoprene or rubber gloves with cuffs.</li> </ul>   |
| Eye Protection                       | <ul style="list-style-type: none"> <li>◆ Tightly fitting chemical splash goggles.</li> <li>◆ For continued or severe exposure wear a face shield over goggles.</li> <li>◆ Safety eyebath nearby.</li> </ul>   |
| Respiratory Protection               | <ul style="list-style-type: none"> <li>◆ None, if used in adequately ventilated area.</li> <li>◆ In case of insufficient ventilation, wear NIOSH approved respiratory equipment.</li> </ul>   |
| Skin and Body Protection             | <ul style="list-style-type: none"> <li>◆ Use chemical protective clothing for repeated or prolonged contact.</li> <li>◆ Coveralls, apron, gloves, rubber boots should be worn.</li> <li>◆ Suitable facilities for quick drenching or flushing within the work area, for emergency use.</li> </ul> |
| Hygiene Measures                     | <ul style="list-style-type: none"> <li>◆ Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.</li> </ul>  |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

General Information

|                |           |
|----------------|-----------|
| Physical State | Liquid    |
| Color          | Red       |
| Odor           | Acid-like |

Important Health Safety and Environmental Information

|                           |                |
|---------------------------|----------------|
| Molecular Wt.             | N/A            |
| pH (1% solution)          | 2.0– 4.5       |
| Boiling pt.               | N/A            |
| Specific gravity (@ 25°C) | 1.10– 1.20     |
| Viscosity (CSTS)          | Not specified. |
| Solubility in water       | 100%           |
| Vapor Pressure            | N/A            |
| Vapor Density (AIR=1)     | N/A            |

## 10. STABILITY AND REACTIVITY

|                                  |   |
|----------------------------------|---|
| Stability                        | ◆ Stable under normal conditions  |
| Conditions to avoid              | ◆ Low or High Temperatures  |
| Materials to avoid               | <ul style="list-style-type: none"> <li>◆ Alkaline cleaners</li> <li>◆ Chlorine containing cleaners.</li> <li>◆ Peroxides</li> <li>◆ Reducing agents</li> <li>◆ Aluminum or galvanized surfaces or other metals</li> </ul> |
| Hazardous Decomposition Products | ◆ Phosphorus oxides   |
| Polymerization                   | ◆ Will not occur  |

## 11. TOXICOLOGICAL INFORMATION

### Product Information

|                         |  |
|-------------------------|--|
| LD50/oral/rat           |  |
| <u>Local effects</u>    |  |
| Skin irritation         | May cause severe irritation                            |
| Eye irritation          | Vapors may be irritating                               |
| Sensitization           | Skin sensitizer  |
| <u>Specific effects</u> | Can cause serious damage to tissues if ingested        |
| Carcinogenic Effects    | None   |
| Mutagenic Effects       | Not determined   |
| Reproductive toxicity   | Not determined   |
| Target Organ Effects    | Mucous membranes of mouth, throat, and digestive tract |

## 12. ECOLOGICAL INFORMATION

### Product information

Aquatic Toxicity: Do not discharge into lakes, streams, ponds, or public waterways unless in accordance with Government Regulations.

### Other Information

## 13. DISPOSAL CONSIDERATIONS

|                                     |  |
|-------------------------------------|--|
| Waste from residues/Unused products | Do not discharge into lakes, streams, ponds, or public waterways unless in accordance with Government Regulations. |
| Contaminated Packaging              | Empty containers should be taken for recycling, recovery, or waste disposal  |



## 14. TRANSPORT INFORMATION

### Domestic (Land, D.O.T.)

UN Number: 3264  
UN Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
(Phosphoric Acid)  
Hazard label: 8  
Packing Group: II

### International (IMDG, I.M.O.)

UN Number: 3264  
UN Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
(Phosphoric Acid)  
Transport Hazard Class: 8  
Packing Group: II  
Marine pollutant: No  
Limited Quantities: 1L  
Packing Instructions: P001  
IBC Instructions: IBC02  
EmS: F-A, S-B  
Stowage and segregation: Category B



### Air transport (IATA)

UN Number: 3264  
UN Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.  
(Phosphoric Acid)  
Hazard Class: 8  
Packaging Group: II  
Limited Quantities: 0.5L

## 15. REGULATORY INFORMATION

OSHA: This product is classified as corrosive of Hazard Communication Standard (29 CFR 1910.1200)



**CHEM CLEAN LIMITED**  
Industrial and Specialty Chemicals Manufacturer and Solutions Provider

**ulti-mate**<sup>®</sup>  
PROFESSIONAL

## 16. OTHER INFORMATION

The information in the Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The information above is believed to be accurate and represents the best information currently available to us. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**