

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product Form : Mixture
Product Name : Rust Remover
Product Code : 0800000(166/352/361/373/374/377/458)
Type of Product : Cleaning Chemical
Product Group : Cleaning Product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified Uses

Main use category : Professional Use
Industrial/Professional use spec : For professional use only

1.2.2. Use advised against

No additional information is available

1.3. Details of the supplier of the safety data sheet

PATSA Pakistan (Pvt.) Ltd.
Steel House, West Wharf Road,
Karachi, 74000, Pakistan
T: +92 0330 8694794
info@patsaonline.net www.patsaonline.net

1.4. Emergency telephone number

Country	Organization/Company	Address	Emergency Number	Comment
N/A	N/A	N/A	N/A	N/A

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixture: SDS < 2015: Show CLP information only

Corrosive to metals, Category 1 H290
Skin corrosion/irritation,, Category 1B H314

Adverse physicochemical, human health and environmental effects

No additional information is available.

For full text of H-phrases see section 16.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP)



Single word (CLP) : GHS05
Hazard statements (CLP) : Danger.
 : H290 - May be corrosive to metals.
 : H314 - Causes severe skin burns and eye damage.
Precautionary Statements (CLP) : P234 - Keep only in original container.
 : P280 - Wear protective gloves, protective clothing, face protection, eye protection.
 : P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 : P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 : P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 : P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other Hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixture

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Phosphoric acid	(CAS-No.) 7664-38-2 (EC-No.) 231-633-2 (EC Index-No.) 015-011-00-6 (REACH-no) 01-2119485924-24	5.0-20.0	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314

Full Text of H-statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove the individual to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Take off contaminated clothing. Rinse with plenty of water. Transport to hospital immediately. Treat as a burn.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion	: Rise mouth with water. Do NOT induce vomiting. Seek medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation	: Unconsciousness. Dizziness. Headache. Nausea. Drowsiness.
Symptoms/injuries after skin contact	: Pungent. Severe burns. Redness. Pain
Symptoms/injuries after eye contact	: Pungent. Pain. Redness. Blurred vision.
Symptoms/injuries after ingestion	: Caustic, lack of breath, vomiting, blisters on lips and tongue, burning pain in mouth and throat, gullet and stomach.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information is available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray, Powder, Foam, CO ₂
Unsuitable extinguishing media	: None.

5.2. Special hazards as arising from the substance or mixture

Fire hazard	: None.
Explosion hazard	: None.

5.3. Advice for firefighters

Reactivity	: None.
Firefighting instructions	: No specific firefighting instructions required.
Protection during firefighting	: No specific measures are necessary.
Other information	: None known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Do not touch spilt material. Remove contaminated clothing and shoes. Do not breathe vapour. Do not breathe fumes. Do not breathe spray. Do not breathe dust. Isolate from fire, if possible, with unnecessary risk.
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6.1.1. For non-emergency personnel

Protective equipment	: No additional information.
Emergency procedures	: No additional information.

6.1.2. For emergency responders

Protective equipment	: No additional information.
Emergency procedures	: No additional information.

6.2. Environmental precautions

Prevent entry to sewers and public.

6.3. Methods and material for containment and cleaning up

For containment	: Contain released substance, pump into suitable containers.
Methods for cleaning up	: The material and its container must be disposed of in a safe way, and as per local legislation.
Other information	: Absorb the product onto porous material.

6.4. Reference to other sections

See headings 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes. Handle and open the container with care. Keep away from sources of ignition- No smoking.

Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Incompatible products : Oxidizing agent. Strong bases.

Incompatible materials : Sources of ignition. Heat sources.

Storage area : Meet the legal requirements. Store in a cool area. Store in a well-ventilated place.

Special rules on packaging : Meet the legal requirements.

SECTION 8: Exposure controls/ personal protection

8.1. Control parameters

No additional information available.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information is available.

8.2.2 Personal protective equipment

Personal protective equipment:

Gloves. Safety glasses. Protective coating.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Nitrile rubber gloves. Breakthrough time: > 480 Min, (EN 374). Layer thickness: 0,35 mm. Always wash your hands after handling the product

8.2.2.3. Respiratory protection

Respiratory protection:

Ensure adequate air ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Universal mask (ABEK)

8.2.2.4. Thermal hazards

No additional information is available.

8.2.3. Environmental exposure controls

No additional information is available.

SECTION 9: Physical and chemical properties

9.1. Information

Physical state : Liquid.

Colour : Red.

Odour : Characteristic.

Odour threshold : No data available.

pH : <2.0 @ 20°C

pH solution : /.

Relative evaporation rate (butylacetate=1) : No data available.

Melting point : 0°C

Freezing point : No data available.

Boiling point : No data available.

Flashpoint : 100°C

Auto-ignition temperature : No data available.

Decomposition temperature : No data available.

Flammability (solid, gas) : Not applicable.

Vapour pressure : 23 hPa @ 20°C.

Relative vapour density at 20 °C : No data available.

Relative density : No data available.

Density : 1.22 kg/l @ 20°C

Solubility : Soluble in water.

Partition coefficient n-octanol/water (Log Pow) : No data available.

Viscosity, kinematic	: 1 mm ² /s @ 20°C.
Viscosity, dynamic	: 1 mPa·s @ 20°C.
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Lower explosive limit (LEL)	: Not applicable.
Upper explosive limit (UEL)	: Not applicable.

9.1. Information

Voce content : 0%

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

10.2. Chemical stability

Extremely high or low temperatures.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

10.5. Incompatible materials

Keep away from Oxidizing agents. Reducing Agents. Strong Bases

10.6. Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on toxicological effect

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: See Heading 3 (information on ingredients)

Phosphoric acid (CAS No.) 7664-38-2	
LD50 oral rat	500 mg/kg body
LD50 dermal rabbit	≥5000 mg/kg
LC50 inhalation rat (mg/l)	≥50 mg/l/4h
Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: < 2 @ 20 °C.
Serious eye damage/irritation	: Serious eye damage, category 1, implicit pH: < 2 @ 20 °C.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology – general	: No data available.
Acute aquatic toxicity	: Not classified.
Chronic aquatic toxicity	: Not classified.

Phosphoric acid (CAS No.) 7664-38-2	
EC50 Daphnia 1	100 mg/l
EC50 72h algae (1)	100 mg/l
NOEC chronic crustacea 56 mg	56 mg/l (Daphnia, 48h)
NOEC chronic algae	100 mg/l (72h)

12.2. Persistence and degradability

Rust Remover	
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Rust Remover

Biocumulative potential	No supplementary information available.
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12.4. Mobility in soil

Rust Remover

Mobility in soil	WGK 1
Ecology - soil	Completely soluble in water.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

Additional information : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Comply with local regulations for disposal.
Waste treatment methods : Dispose of at a licensed site, In case the undiluted product is discharged accidentally, neutralize to pH 7.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

SECTION 14: Transport information

In accordance with ADR

14.1. UN number

UN-No. (ADR) : 1805

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Phosphoric Acid, Solution
Transport document description (ADR) : UN 1805 Phosphoric acid, solution, 8 , III, (E)

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : 8
Danger labels (ADR) : 8
:



14.4. Packing Group

Packaging group (ADR) : III

14.5. Environmental hazards

Dangerous for the environment : No
Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Risk of burns, This product contains hazardous components for the aquatic environment, Do not allow to enter drains or water courses, Prevent flow to low areas.

- Overland transport

Hazard identification number (Kemler No.) : 80
Orange plates :



Tunnel restriction code (ADR) : E

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

VOC content : 0 %

15.1.1. National Regulations

Netherlands
SZW-lijst van kankerverwekkende stoffen : None of the components are listed.
SZW-lijst van mutagene stoffen : None of the components are listed.
NIET-limitatieve lijst van voor de voortplanting
giftige stoffen – Borstvoeding : None of the components are listed.
NIET-limitatieve lijst van voor de voortplanting
giftige stoffen – Vruchtbaarheid : None of the components are listed.
NIET-limitatieve lijst van voor de voortplanting
giftige stoffen – Ontwikkeling : None of the components are listed.

15.2. Chemical safety assessment

No data available

SECTION 16: Other information

Full text of H- and EUH- statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam./Irrit. Not classified	Serious eye damage/eye irritation Not classified
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
R34	Causes burns
C	Corrosive

Safety Data Sheet (MSDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not, therefore, be construed as guaranteeing any specific property of the product.