

# Anti Rust & Corrosion Prepration MEG

Part No. RXSOL-16-3741-266 — Generated 10 Oct 2026

## 1. Product and Company Identification

Product Name Anti Rust And Corrosion Preparation

Company Details:

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## 2. Composition / informationon ingredients

| Name of Substance                          | Cas Number  | EINECS No  | Wt.%     |
|--------------------------------------------|-------------|------------|----------|
| Phosphoric acid                            | 7664-38-2   | 231-633-2  | 70 -80 % |
| 2-phosphonobutane-1,2,4-tricarboxylic acid | 37971-36-1  | 2653-733-5 | 10 - 30% |
| Non Haz Emulsifier                         | Propertiary |            | 20 - 30% |

## 3. Hazards Identification

Signal Word None

Hazard Statements  
H335 May cause respiratory irritation.  
H302 Harmful if swallowed.  
H411 Toxic to aquatic life with long lasting effects.  
H314 Causes severe skin burns and eye damage.

Precautionary statements - prevention  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment.

|                                     |                                                                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautionary statements - response | 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.                              |
|                                     | P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|                                     | P310 Immediately call a POISON CENTER/doctor/physician/first aider.                                                                             |
|                                     | P363 Wash contaminated clothing before reuse.                                                                                                   |
|                                     | P391 Collect spillage.                                                                                                                          |
|                                     | P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.                                                   |
|                                     | P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                            |
|                                     | Storage: Store locked up. Disposal: P501 Dispose of contents/container in accordance with local regulations.                                    |
|                                     |                                                                                                                                                 |

## 4. First Aid Measures

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact         | <p>Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.</p> <p>Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Skin Contact        | <p>Immediately flush body and clothes with large amounts of water, using safety shower if available. Quickly remove all contaminated clothing, including footwear. Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre. Transport to hospital, or doctor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Inhalation:         | <p>Lay patient down. Keep warm and rested. Prosthesis such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</p> <p>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor, without delay. Inhalation of vapours or aerosols (mists, fumes) may cause lung oedema.</p> <p>Corrosive substances may cause lung damage (e.g. lung oedema, fluid in the lungs). As this reaction may be delayed up to 24 hours after exposure, affected individuals need complete rest (preferably in semi-recumbent posture) and must be kept under medical observation even if no symptoms are (yet) manifested. Before any such manifestation, the administration of a spray containing a dexamethasone derivative or beclomethasone derivative may be considered.</p> |
| Ingestion:          | <p>For advice, contact a Poisons Information Centre or a doctor at once. Urgent hospital treatment is likely to be needed. If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Transport to hospital or doctor without delay.</p>                                                                                                                                                                                                                                                                                                                                               |
| Notes to Physicians | Treat symptomatically.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## 5. Fire-fighting Measures

|                               |                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media  | <p>Water spray or fog.</p> <p>Foam.</p> <p>Dry chemical powder.</p>                                                                    |
| Protective Equipment          | Use personal protective equipment.                                                                                                     |
| Hazardous combustion products | Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result |

|                         |                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice for firefighters | Alert Fire Brigade and tell them location and nature of hazard.<br>Wear full body protective clothing with breathing apparatus.<br>Prevent, by any means available, spillage from entering drains or water course.                                                                                                |
| Fire/Explosion Hazard   | Combustible.<br>Slight fire hazard when exposed to heat or flame.<br>Acids may react with metals to produce hydrogen, a highly flammable and explosive gas.<br>Combustion products include: amp;43cw carbon dioxide (CO2)phosphorus oxides (POx)<br>other pyrolysis products typical of burning organic material. |

## 6. Accidental Release Measures

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. Wear suitable personal protective equipment. Respiratory protective equipment.                                                                                                                                                                                                                                                                                                                                              |
| Environmental Precaution                                            | Do not allow contact with soil, surface or ground water. If the products get into drains, inform the relevant authorities immediately.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Methods and materials for containment and cleaning up               | Minor Spill : Drains for storage or use areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material. Check regularly for spills and leaks. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment.<br><br>Major Spill : Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. |

## 7. Handling and Storage

|                                        |                                                                                                                                                                                                                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Advice on safe handling                | Avoid all personal contact, including inhalation.<br>Wear protective clothing when risk of exposure occurs.<br>Use in a well-ventilated area.                                                                                                                                          |
| Storage                                | Store in original containers.<br>Keep containers securely sealed.<br>Store in a cool, dry, well-ventilated area.<br><br>DO NOT use aluminium or galvanised containers<br>Check regularly for spills and leaks<br>Lined metal can, lined metal pail/ can. Plastic pail. Polyliner drum. |
| Storage incompatibility                | Reacts with mild steel, galvanised steel / zinc producing hydrogen gas which may form an explosive mixture with air.<br>Avoid strong bases.<br>Segregate from alkalis, oxidising agents and chemicals readily decomposed by acids, i.e. cyanides, sulfides, carbonates.                |
| Advice on general occupational hygiene | Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas.                                                                                                                                |

## 8. Exposure controls and personal protection

Engineering Control  
Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk.

Personal Protection  
Eye & Face protection : Safety glasses with unperforated side shields may be used where continuous eye protection is desirable, as in laboratories; spectacles are not sufficient where complete eye protection is needed such as when handling bulk-quantities, where there is a danger of splashing, or if the material may be under pressure. Chemical goggles whenever there is a danger of the material coming in contact with the eyes; goggles must be properly fitted. Full face shield (20 cm, 8 in minimum) may be required for supplementary but never for primary protection of eyes; these afford face protection.

Hand protection : Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

| Source                                                                                                                                                                      | Ingredients     | Material Name        | TWA                 | STEL                | Peak          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|---------------------|---------------------|---------------|
| European Union (EU) First List of Indicative Occupational Exposure Limit Values (IOELVs) (English)                                                                          | Phosphoric acid | Orthophosphoric acid | 1 mg/m <sup>3</sup> | 2 mg/m <sup>3</sup> | Not Available |
| EU Consolidated List of Indicative Occupational Exposure Limit Values (IOELVs)                                                                                              | Phosphoric acid | Orthophosphoric acid | 1 mg/m <sup>3</sup> | 2 mg/m <sup>3</sup> | Not Available |
| Norway regulations on action values and limit values for physical and chemical factors in the work environment and infection risk groups for biological factors (Norwegian) | Phosphoric acid | Orthophosphoric acid | 1 mg/m <sup>3</sup> | 2 mg/m <sup>3</sup> | Not Available |
| Norway regulations on action values and limit values for physical and chemical factors in the work environment and infection risk groups for biological factors (Norwegian) | zinc chloride   | Sinkklorid           | 1 mg/m <sup>3</sup> | Not Available       | Not Available |

Hygiene measures  
Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.



Gloves



Suit

## 9. Physical and chemical properties

|                |                                           |
|----------------|-------------------------------------------|
| Appearance     | Colourless to yellow, miscible with water |
| Physical state | Liquid                                    |
| Odour          | Not Available                             |

|                                 |                   |
|---------------------------------|-------------------|
| Odour threshold                 | Not Available     |
| Boiling point and boiling range | 100°C             |
| Flash Point                     | No Data Available |
| Freezing Point                  | No Data Available |
| pH                              | 2                 |
| Evaporation rate                | No data available |
| Flammability (solid, gas)       | No data available |
| Upper explosion limit           | No data available |
| Lower explosion limit           | No data available |
| Explosive properties            | No data available |
| Vapor pressure                  | No data available |
| Relative vapor density          | No data available |
| Relative density                | 1.8               |
| Water solubility                | Soluble           |
| Solubility in other solvents    | No data available |
| Partition coefficient: octanol  | No data available |
| Autoignition temperature        | No data available |
| Thermal decomposition           | No data available |
| Viscosity, kinematic            | No data available |
| Explosive properties            | No data available |
| Oxidizing properties            | No data available |
| Molecular weight                | No data available |
| VOC                             | No data available |

## 10. Stability and reactivity

|                                    |                                                                                                                                            |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | None                                                                                                                                       |
| Stability                          | Stable under normal conditions.                                                                                                            |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use.                                                                                |
| Incompatible materials             | See Section 7                                                                                                                              |
| Hazardous Decomposition            | carbon dioxide (CO <sub>2</sub> )<br>phosphorus oxides (PO <sub>x</sub> )<br>other pyrolysis products typical of burning organic material. |
| Condition to Avoid                 | Strong Alkaline material and Oxidizing Material                                                                                            |
| Polymerization                     | Will not occur.                                                                                                                            |

## 11. Toxicological information

|                   |                                       |
|-------------------|---------------------------------------|
| Route of Exposure | Inhalation, Eye contact, Skin contact |
|-------------------|---------------------------------------|

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eyes                      | Direct eye contact with acid corrosives may produce pain, tears, sensitivity to light and burns. Mild burns of the epithelia generally recover rapidly and completely.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Skin                      | <p>Skin contact with acidic corrosives may result in pain and burns; these may be deep with distinct edges and may heal slowly with the formation of scar tissue.</p> <p>Skin contact is not thought to produce harmful health effects (as classified under EC Directives using animal models). Systemic harm, however, has been identified following exposure of animals by at least one other route and the material may still produce health damage following entry through wounds, lesions or abrasions. Open cuts, abraded or irritated skin should not be exposed to this material. Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.</p> |
| Ingestion                 | <p>Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual.</p> <p>Ingestion of acidic corrosives may produce burns around and in the mouth, the throat and oesophagus. Immediate pain and difficulties in swallowing and speaking may also be evident.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Inhalation                | The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage. Corrosive acids can cause irritation of the respiratory tract, with coughing, choking and mucous membrane damage. There may be dizziness, headache, nausea and weakness.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Chronic Exposure          | Repeated or prolonged exposure to acids may result in the erosion of teeth, swelling and/or ulceration of mouth lining. Irritation of airways to lung, with cough, and inflammation of lung tissue often occurs. Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems. Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.                                                                                                                                                                                                                                                                                                                                       |
| Acute oral toxicity       | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Acute inhalation toxicity | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Acute dermal toxicity     | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Classification            | The classification was made by the conventional (calculation) method of Dangerous Preparations Directive(1999/45/EC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## 12. Ecological information

# Toxicity

| Ingredient                                 | Endpoint | Test Duration (hr) | Species                       | Value       | Source |
|--------------------------------------------|----------|--------------------|-------------------------------|-------------|--------|
| phosphoric acid.. %                        | LC50     | 96                 | Fish                          | 75.1mg/L    | 2      |
| phosphoric acid ..%,                       | EC50     | 48                 | Crustacea                     | >376mg/L    | 2      |
| phosphoric acid ..%,                       | EC50     | 72                 | Algae or other aquatic plants | 77.9mg/L    | 2      |
| phosphoric acid ..%,                       | EC50     | 24                 | Crustacea                     | >376mg/L    | 2      |
| phosphoric acid ..%,                       | NOEC     | 72                 | Algae or other aquatic plants | 7.5mg/L     | 2      |
| 2-phosphonobutane-1,2,4-tricarboxylic acid | LC50     | 96                 | Fish                          | 3.71293mg/L | 3      |
| 2-phosphonobutane-1,2,4-tricarboxylic acid | EC50     | 48                 | Crustacea                     | >1071mg/L   | 2      |
| 2-phosphonobutane-1,2,4-tricarboxylic acid | EC50     | 96                 | Algae or other aquatic plants | 4.0015mg/L  | 3      |
| zinc chloride                              | LC50     | 96                 | FISH                          | 0.03mg/L    | 4      |
| zinc chloride                              | EC50     | 48                 | Crustacea                     | 0.045mg/L   | 4      |
| zinc chloride                              | EC50     | 24                 | Algae or other aquatic plants | 0.0004mg/L  | 4      |
| zinc chloride                              | NOEC     | 216                | Algae or other aquatic plants | >0.0001mg/L | 4      |

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters. Wastes resulting from use of the product must be disposed of on site or at approved waste sites.

## Ecotoxicity

The tolerance of water organisms towards pH margin and variation is diverse. Recommended pH values for test species listed in OECD guidelines are between 6.0 and almost 9. Acute testing with fish showed 96h-LC50 at about pH 3.5 Prevent, by any means available, spillage from entering drains or water courses.

## Toxicity to daphnia and others

No data available

## Toxicity to algae

No data available

## Biodegradability

Medium

## Persistence and degradability

No data available

## Bioaccumulative potential

phosphoric acid ... %, orthophosphoric acid ...% LOW (LogKOW = -0.7699)  
2-phosphonobutane- 1,2,4-tricarboxylic acid LOW (LogKOW = -1.359)  
zinc chloride HIGH (BCF = 16000)

## Mobility in soil

phosphoric acid ... %, orthophosphoric acid ...HIGH (KOC = 1)  
2-phosphonobutane-1,2,4-tricarboxylic acid LOW (KOC = 846)  
zinc chloride LOW (KOC = 23.74)

### 13. Disposal considerations

|                |                                                                                                                                                                                                                                                                                             |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks        | Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.                                                                                             |
| Waste Disposal | The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility |

### 14. Transport information

|                                 |                                     |
|---------------------------------|-------------------------------------|
| UN Number                       | Not Regulated for Transport         |
| Proper shipping name            | Anti Rust And Corrosion Preparation |
| Transport hazard class(es)      |                                     |
| ADR/RID                         | Not Regulated                       |
| Subsidiary risk IMDG            | Not Regulated                       |
| Subsidiary risk IATA            | Not Regulated                       |
| Packing group                   |                                     |
| Packing group                   | NA                                  |
| Environmental hazards           |                                     |
| Environmental hazards           | No                                  |
| Marine pollutant                | No                                  |
| ADR/RID                         |                                     |
| Hazard ID                       | NA                                  |
| Tunnel Category                 | (E)                                 |
| IMDG                            |                                     |
| EmS Code                        | NA                                  |
| IATA                            |                                     |
| Packing Instruction (Cargo)     | 856                                 |
| Maximum quantity                | 60 L                                |
| Packing Instruction (Passenger) | 852                                 |
| Maximum quantity                | 5 L                                 |

### 15. Regulatory information

|             |                                                                                                                                                                                                                                                                       |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulations | This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : 98/24/EC, 92/85/EC, 94/33/EC, 91/689/EEC, 1999/13/EC, Commission Regulation (EU) 2015/830, Regulation (EC) No 1272/2008 and their amendments |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                            |                                            |
|----------------------------|--------------------------------------------|
| Chemical safety assessment | Chemical Safety Assessment not carried out |
| Further information        | FOR INDUSTRIAL USE.                        |

## 16. Other information

### Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rxsol Chemo Pharma International has been advised of the possibility of such damages.

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