



# SAFETY DATA SHEET

## 1. Product and Company Identification

|                               |  |
|-------------------------------|--|
| Product identifier            | Rid O' Rust Rust Preventer (2X Concentrated)   |
| Other means of identification | Not available  |
| Recommended use               | Rust Stain Preventer   |
| Recommended restrictions      | None known.  |
| Manufacturer information      | Pro Products LLC<br>7201 Engle Road<br>Fort Wayne, IN 46804-5875 US<br>Phone: 260-483-2519<br>Emergency Phone: 1-800-424-9300 (CHEMTREC) |
| Supplier                      | See above.   |

## 2. Hazards Identification

|                            |                                   |            |
|----------------------------|-----------------------------------|------------|
| Physical hazards           | Corrosive to metals               | Category 1 |
| Health hazards             | Skin corrosion/irritation         | Category 2 |
|                            | Serious eye damage/eye irritation | Category 2 |
| Environmental hazards      | Not classified.                   |            |
| WHMIS 2015 defined hazards | Not classified                    |            |
| Label elements             |                                   |            |



Signal word Warning

Hazard statement May be corrosive to metals. Causes skin irritation. Causes serious eye irritation.

### Precautionary statement

#### Prevention

Keep only in original packaging. Wash thoroughly after handling. Wear protective gloves. Wear eye protection/face protection.

#### Response

Absorb spillage to prevent material-damage.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water. Specific treatment (see information on this label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

#### Storage

Store in a corrosion resistant container with a resistant inner liner.

#### Disposal

Dispose of waste and residues in accordance with local authority requirements.

WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC) None known

WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC) None known

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information Not applicable.

## 3. Composition/Information on Ingredients

### Mixture

| Chemical name                             | Common name and synonyms | CAS number | %       |
|---|--------------------------|------------|---------|
| Citric Acid                               |                          | 77-92-9    | 15 - 40 |
| 1-Hydroxyethylidene-1,1-diphosphonic acid |                          | 2809-21-4  | 10 - 30 |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments**

US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

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**4. First Aid Measures**

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| <b>Inhalation</b>   | If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.  |
| <b>Skin contact</b>   | IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.                               |
| <b>Eye contact</b>  | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.   |
| <b>Ingestion</b>  | Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.  |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.   |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Avoid contact with eyes and skin. Wear rubber gloves and safety glasses with side shields. Keep out of reach of children. |

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**5. Fire Fighting Measures**

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|--|---|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide.   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                          |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.   |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |
| <b>Fire-fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                   |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.      |
| <b>Hazardous combustion products</b>                                 | May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus. |

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**6. Accidental Release Measures**

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|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.   |
| <b>Methods and materials for containment and cleaning up</b>               | Stop the flow of material, if this is without risk. Should not be released into the environment.<br><br>Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb spillage to prevent material damage. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.<br><br>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |
| <b>Environmental precautions</b>   | Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.  |

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**7. Handling and Storage**

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|---|---|
| <b>Precautions for safe handling</b>                                | Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage. Avoid contact with eyes, skin and clothing.  |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store in a corrosion resistant container with a resistant inner liner. Keep only in the original container. Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Store away from incompatible materials (see Section 10 of the SDS). |

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**8. Exposure Controls/Personal Protection**

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|-------------------------------------|---|
| <b>Occupational exposure limits</b> | No exposure limits noted for ingredient(s). |
|-------------------------------------|---|

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|--|---|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).  |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |
| <b>Individual protection measures, such as personal protective equipment</b> |   |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles).   |
| <b>Skin protection</b>   |   |
| <b>Hand protection</b>   | Impervious gloves. Confirm with reputable supplier first.   |
| <b>Other</b>   | Wear appropriate chemical resistant clothing.   |
| <b>Respiratory protection</b>  | Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).  |
| <b>Thermal hazards</b>   | Not applicable.   |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.   |

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## 9. Physical and Chemical Properties

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|   |                 |
|---|-----------------|
| <b>Appearance</b>                                   | Clear           |
| <b>Physical state</b>                               | Liquid.         |
| <b>Form</b>   | Liquid.         |
| <b>Color</b>  | Blue            |
| <b>Odor</b>   | Not available.  |
| <b>Odor threshold</b>                               | Not available.  |
| <b>pH</b>   | < 2             |
| <b>Melting point/freezing point</b>                 | Not available.  |
| <b>Initial boiling point and boiling range</b>      | Not available.  |
| <b>Pour point</b>                                   | Not available.  |
| <b>Specific gravity</b>                             | 1.161           |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.  |
| <b>Flash point</b>                                  | Not available.  |
| <b>Evaporation rate</b>                             | Not available.  |
| <b>Flammability (solid, gas)</b>                    | Not applicable. |
| <b>Upper/lower flammability or explosive limits</b> |                 |
| <b>Flammability limit - lower (%)</b>               | Not available.  |
| <b>Flammability limit - upper (%)</b>               | Not available.  |
| <b>Explosive limit - lower (%)</b>                  | Not available.  |
| <b>Explosive limit - upper (%)</b>                  | Not available.  |
| <b>Vapor pressure</b>                               | Not available.  |
| <b>Vapor density</b>                                | Not available.  |
| <b>Relative density</b>                             | 9.66 lb/gal     |
| <b>Solubility(ies)</b>                              | Not available.  |
| <b>Auto-ignition temperature</b>                    | Not available.  |
| <b>Decomposition temperature</b>                    | Not available.  |
| <b>Viscosity</b>                                    | Not available.  |

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## 10. Stability and Reactivity

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|---|--|
| <b>Reactivity</b>                         | Reacts vigorously with alkaline material. This product may react with reducing agents. |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                            |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>Conditions to avoid</b>                | Contact with incompatible materials. Attacks steel when moist.                         |

**Incompatible materials**  
**Hazardous decomposition products**

Caustics. Reducing agents. Oxidizers.  
May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus.

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## 11. Toxicological Information

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**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

**Information on likely routes of exposure**

**Ingestion** May cause stomach distress, nausea or vomiting.  
**Inhalation** No adverse effects due to inhalation are expected.  
**Skin contact** Causes skin irritation. This product is non-corrosive based on test data.  
**Eye contact** Causes serious eye irritation. This product is non-corrosive based on test data.

**Symptoms related to the physical, chemical and toxicological characteristics** Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

**Information on toxicological effects**

**Acute toxicity**

| Components   | Species       | Test Results                            |
|--|---------------|---|
| 1-Hydroxyethylidene-1, 1-diphosphonic acid (CAS 2809-21-4) |               |   |
| <b>Acute</b>   |               |   |
| <i>Dermal</i>  |               |   |
| LD50   | Rabbit        | > 10000 mg/kg, 24 Hours<br>> 8000 mg/kg |
| <i>Inhalation</i>  |               |   |
| LC50   | Not available |   |
| <i>Oral</i>  |               |   |
| LD50   | Rat           | 3550 mg/kg, ECHA<br>3130 mg/kg, ECHA    |
| Citric Acid (CAS 77-92-9)                                  |               |   |
| <b>Acute</b>   |               |   |
| <i>Dermal</i>  |               |   |
| LD50   | Rat           | > 2000 mg/kg, 24 Hours, ECHA            |
| <i>Inhalation</i>  |               |   |
| LC50   | Not available |   |
| <i>Oral</i>  |               |   |
| LD50   | Mouse         | 5400 mg/kg, ECHA<br>5040 mg/kg, HSDB    |
|  | Rat           | 11700 mg/kg, ECHA<br>6730 mg/kg, HSDB   |

**Skin corrosion/irritation** Causes skin irritation.

**Exposure minutes** Not available.

**Erythema value** Not available.

**Oedema value** Not available.

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Corneal opacity value** Not available.

**Iris lesion value** Not available.

**Conjunctival reddening value** Not available.

**Conjunctival oedema value** Not available.

**Recover days** Not available.

**Respiratory or skin sensitization**

**Canada - Alberta OELs: Irritant**

Phosphoric acid (CAS 7664-38-2) Irritant

**Respiratory sensitization** Not classified.

|   |  |
|---|--|
| <b>Skin sensitization</b>   | This product is not expected to cause skin sensitization.  |
| <b>Mutagenicity</b>   | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| <b>Carcinogenicity</b>  | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.                                  |
| <b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b> |  |
| Not listed.   |  |
| <b>Reproductive toxicity</b>  | This product is not expected to cause reproductive or developmental effects.                                     |
| <b>Teratogenicity</b>   | Not classified.  |
| <b>Specific target organ toxicity - single exposure</b>                   | Not classified.  |
| <b>Specific target organ toxicity - repeated exposure</b>                 | Not classified.  |
| <b>Aspiration hazard</b>  | Not classified.  |
| <b>Chronic effects</b>  | Not classified.  |

## 12. Ecological Information

|  |   |                                |                    |
|--|---|--------------------------------|--------------------|
| Ecotoxicity  | Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. See below                        |                                |                    |
| Ecotoxicological data                                      |   |                                |                    |
| Components   | Species   |                                | Test Results       |
| 1-Hydroxyethylidene-1, 1-diphosphonic acid (CAS 2809-21-4) |   |                                |                    |
| Crustacea  | EC50  | Daphnia                        | 527 mg/L, 48 Hours |
| Citric Acid (CAS 77-92-9)                                  |   |                                |                    |
| Acute  |   |                                |                    |
| Crustacea  | EC50  | Daphnia magna                  | 120 mg/L, 72 hr    |
| Aquatic  |   |                                |                    |
| Acute  |   |                                |                    |
| Fish   | LC50  | Bluegill (Lepomis macrochirus) | 1516 mg/L, 96 hr   |
| Persistence and degradability                              | No data is available on the degradability of this product.  |                                |                    |
| Bioaccumulative potential                                  | No data available.  |                                |                    |
| Mobility in soil   | No data available.  |                                |                    |
| Mobility in general  | Not available.  |                                |                    |
| Other adverse effects                                      | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |                                |                    |

## 13. Disposal Considerations

|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                  | The waste code should be assigned in discussion between the user, the producer and the waste disposal company.   |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).   |
| <b>Contaminated packaging</b>                | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.   |

## 14. Transport Information

|   |   |
|---|---|
| <b>Transport of Dangerous Goods (TDG) Proof of Classification</b> | In accordance with Part 2.2.1 (SOR/2014-152) of the Transportation of Dangerous Goods Regulations, we certify that the classification of this product is correct as of the SDS date of issue. |
| <b>U.S. Department of Transportation (DOT)</b>                    |   |
| <b>Basic shipping requirements:</b>                               |   |
| <b>UN number</b>  | UN3265  |
| <b>Proper shipping name</b>                                       | Corrosive liquid, acidic, organic, n.o.s.   |
| <b>Technical name</b>   | Citric Acid   |
| <b>Hazard class</b>   | 8   |

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>Packing group</b>        | III                             |
| <b>Special provisions</b>   | 386, IB3, T7, TP1, TP28         |
| <b>Packaging exceptions</b> | <1.3 gallons - Limited Quantity |

**Transportation of Dangerous Goods (TDG - Canada)**

**Basic shipping requirements:**

|                             |   |
|-----------------------------|---|
| <b>UN number</b>            | UN3265                                    |
| <b>Proper shipping name</b> | CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. |
| <b>Technical name</b>       | Citric Acid                               |
| <b>Hazard class</b>         | 8   |
| <b>Packing group</b>        | III                                       |
| <b>Special provisions</b>   | 16  |
| <b>Packaging exceptions</b> | <5L - Limited Quantity                    |

**DOT**



**TDG**



## 15. Regulatory Information

**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**WHMIS 2015 Exemptions** Not applicable

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Phosphoric acid (CAS 7664-38-2) Listed.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

|                   |       |
|-------------------|-------|
| Immediate Hazard  | - Yes |
| Delayed Hazard    | - No  |
| Fire Hazard       | - No  |
| Pressure Hazard   | - No  |
| Reactivity Hazard | - No  |

**SARA 302 Extremely hazardous substance** No

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**US state regulations**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**US - California Hazardous Substances (Director's): Listed substance**

Phosphoric acid (CAS 7664-38-2) Listed.

**US - Illinois Chemical Safety Act: Listed substance**

Phosphoric acid (CAS 7664-38-2)

**US - Louisiana Spill Reporting: Listed substance**

Phosphoric acid (CAS 7664-38-2) Listed.

**US - Minnesota Haz Subs: Listed substance**

Phosphoric acid (CAS 7664-38-2) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Phosphoric acid (CAS 7664-38-2)

**US - Texas Effects Screening Levels: Listed substance**

1-Hydroxyethylidene-1, 1-diphosphonic acid (CAS 2809-21-4) Listed.

Citric Acid (CAS 77-92-9) Listed.

Phosphoric acid (CAS 7664-38-2) Listed.

**US. Massachusetts RTK - Substance List**

Phosphoric acid (CAS 7664-38-2)

**US. New Jersey Worker and Community Right-to-Know Act**

Not regulated.

**US. Pennsylvania Worker and Community Right-to-Know Law**

Phosphoric acid (CAS 7664-38-2)

**US. Rhode Island RTK**

Phosphoric acid (CAS 7664-38-2)

**US. California Proposition 65**

Not Listed.

**Inventory status**

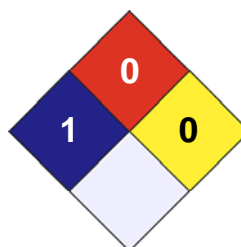
| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada                      | Domestic Substances List (DSL)                | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)           | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

| LEGEND   |   |
|----------|---|
| Severe   | 4 |
| Serious  | 3 |
| Moderate | 2 |
| Slight   | 1 |
| Minimal  | 0 |

|                     |     |
|---------------------|-----|
| HEALTH              | / 1 |
| FLAMMABILITY        | 0   |
| PHYSICAL HAZARD     | 0   |
| PERSONAL PROTECTION | X   |

**Disclaimer**

The data contained in this material safety data sheet was obtained from sources that were technically accurate, reliable, and state of the art when this document was prepared. If data was unavailable to complete certain sections, the absence of that data is identified in this document. Because the supplier cannot know the exact circumstances during actual use of this product, other hazards, exposure scenarios, disposal considerations, and regulations may apply and it is the responsibility of the user to read and understand the product label and this document before use. Do not use the product for purposes other than those stated in Section 1.

**Issue date**

14-December-2017

**Version #**

01

**Effective date**

14-December-2017

**Prepared by**

Dell Tech Laboratories Ltd. Phone: (519) 858-5021

**Other information**

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

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