

MATERIAL SAFETY DATA SHEET

| Product Name Rid O' Rust Exterior Rust Stain Remover (Powder Formula) CAS # Mixture Product use Rust Stain Remover Manufacturer Pro Products LLC 7201 Engle Road Fort Wayne, IN 46804-5875 US Phone 260-483-2519 Emergency Phone: 1-800-424-9300 (CHEMTREC) | |
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| | |
| HMIS/NFPA Health / 3 | |
| Severe4Serious3Moderate2Slight1Minimal0 | |
| 2. Hazards Identification | |

| Emergency overview | DANGER CORROSIVE POISON |
|-------------------------------------|--|
| Potential short term health effects | |
| Routes of exposure | Eye, Skin contact, Inhalation, Ingestion. |
| Eyes | Causes chemical burns. May cause blindness. |
| Skin | Causes chemical burns. |
| Inhalation | May cause respiratory tract irritation or chemical burns. |
| Ingestion | Toxic and is harmful if swallowed. May cause chemical burns to mouth, throat and stomach. |
| Target organs | Eyes. Respiratory system. Skin. |
| Chronic effects | Chronic inhalation of oxalic acid can result in formation of kidney and urinary tract stones. Prolonged or repeated exposure can cause drying, defatting and dermatitis. |
| Signs and symptoms | Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. The product causes burns of eyes, skin and mucous membranes. |

3. Composition / Information on Ingredients

| Ingredient(s) | CAS # | Percent |
|----------------------|---|----------|
| Oxalic acid | 6153-56-6 | 60 - 100 |
| | 4. First Aid Measures | |
| First aid procedures | | |
| Eye contact | Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately. | |
| Skin contact | Brush away excess of dry material. Immediately flush with cool water for 15 minutes. Obtain medical attention if irritation persists. Wash contaminated clothing well before reuse or discard. | |
| Inhalation | If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately. | |
| Ingestion | Do not induce vomiting. Never give anything by mouth if victim is unconso convulsing. Obtain medical attention. If vomiting occurs naturally, have vi forward to reduce risk of aspiration. | |

Notes to physician General advice

Treat patient symptomatically.

Avoid contact with eyes and skin. Keep out of reach of children. Immediate medical attention is required. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

| 5. File Fighting measures | |
|--|---|
| Flammable properties | Not flammable by WHMIS/OSHA criteria. |
| Extinguishing media | |
| Suitable extinguishing media | Dry chemical. Water spray. Alcohol foam. Carbon dioxide. |
| Unsuitable extinguishing media | Not available |
| Protection of firefighters | |
| Specific hazards arising from the chemical | Not available |
| Protective equipment for firefighters | Firefighters should wear full protective clothing including self contained breathing apparatus. |
| Hazardous combustion products | May include and are not limited to: Oxides of carbon. Formic acid |
| Explosion data | |
| Sensitivity to mechanical impact | Not available |
| Sensitivity to static discharge | Not available |
| 6. Accidental Release Measures | |
| Personal precautions | Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. |

5 Fire Fighting Measures

Methods for containment Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

7. Handling and Storage

| Handling | Avoid breathing dust. Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing. |
|----------|--|
| Storage | Keep out of the reach of children. Store in a closed container away from incompatible materials. |

8. Exposure Controls / Personal Protection

| Exposure limits | |
|--------------------------------|---|
| Ingredient(s) | Exposure Limits |
| Oxalic acid | ACGIH-TLV |
| | TWA: 1 mg/m3 |
| | STEL: 2 mg/m3 |
| | OSHA-PEL |
| | TWA: 1 mg/m3 |
| Engineering controls | Local exhaust recommended. |
| Personal protective equipment | |
| Eye / face protection | Wear chemical goggles. |
| Hand protection | Impervious gloves. Confirm with reputable supplier first. |
| Skin and body protection | As required by employer code. Use of an impervious apron is recommended. |
| Respiratory protection | Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. |

9. Physical and Chemical Properties

| Appearance | Crystalline. |
|--|-----------------------------------|
| Color | Colorless |
| Form | Solid. |
| Odor | Odorless |
| Odor threshold | Not available |
| Physical state | Solid |
| рН | 1.3 (0.1M solution) |
| Melting point | 214.70 °F (101.5 °C) |
| Freezing point | Not available |
| Boiling point | 300.20 - 320.00 °F (149 - 160 °C) |
| Pour point | Not available |
| Evaporation rate | Not available |
| Flash point | Not available |
| Auto-ignition temperature | Not available |
| Flammability limits in air, lower, % by volume | Not applicable |
| Flammability limits in air, upper, % by volume | Not applicable |
| Vapor pressure | Not available |
| Vapor density | Not available |
| Specific gravity | 1.65 |
| Octanol/water coefficient | Not available |
| Solubility (H2O) | Soluble |
| Percent volatile | Not available |
| Molecular weight | 126.7000 |
| | |

10. Stability and Reactivity

| Chemical stability | Stable under recommended storage conditions. |
|------------------------------------|---|
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Caustics. Acids. Oxidizers. |
| Hazardous decomposition products | May include and are not limited to: Oxides of carbon. Formic acid |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |

11. Toxicological Information

| Component analysis - LC50 | |
|--------------------------------|---|
| Ingredient(s) | LC50 |
| Oxalic acid | Not available |
| Component analysis - Oral LD50 | |
| Ingredient(s) | LD50 |
| Oxalic acid | 375 mg/kg rat |
| Effects of acute exposure | |
| Eye | Causes chemical burns. May cause blindness. |
| Skin | Causes chemical burns. |
| Inhalation | May cause respiratory tract irritation or chemical burns. |
| Ingestion | Toxic and is harmful if swallowed. May cause chemical burns to mouth, throat and stomach. |
| Sensitization | Non-hazardous by WHMIS/OSHA criteria. |
| Local effects | Toxic if swallowed. |
| Chronic effects | Non-hazardous by WHMIS/OSHA criteria. |
| Carcinogenicity | Non-hazardous by WHMIS/OSHA criteria. |

| Mutagenicity | Non-hazardous by WHMIS/OSHA criteria. |
|-----------------------|---------------------------------------|
| Reproductive effects | Non-hazardous by WHMIS/OSHA criteria. |
| Teratogenicity | Non-hazardous by WHMIS/OSHA criteria. |
| Synergistic Materials | Not available |

12. Ecological Information

| Ecotoxicity | Not available |
|---------------------------------|---------------|
| Environmental effects | Not available |
| Aquatic toxicity | Not available |
| Persistence / degradability | Not available |
| Bioaccumulation / accumulation | Not available |
| Partition coefficient | Not available |
| Mobility in environmental media | Not available |
| Chemical fate information | Not available |
| Other adverse effects | Not available |

13. Disposal Considerations

| Waste codes | Not available |
|--|--|
| Disposal instructions | Review federal, state/provincial, and local government requirements prior to disposal. |
| Waste from residues / unused products | Not available |
| Contaminated packaging | Not available |

14. Transport Information

| U.S. Department of Transportati | on (DOT) | |
|---------------------------------|---|--------------|
| Basic shipping requirement | s: | |
| Proper shipping name | Corrosive solid, acidic, organic, n.o.s. (ETHANEDIOIC ACID, DIHYDRATE) | |
| Hazard class | 8 | |
| UN number | UN3261 | Non Year |
| Packing group | III | CODDOCIVE |
| Additional information: | | CORROSIVE |
| Special provisions | IB8, IP3, T1, TP33 | 8 |
| Packaging exceptions | 154 | |
| ERG number | 154 | • |
| Transportation of Dangerous Go | oods (TDG - Canada) | |
| Basic shipping requirement | s: | |
| Proper shipping name | CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (ETHANEDIOIC ACID, DIHYDRATE) | |
| Hazard class | 8 | |
| UN number | UN3261 | NEW YEAR |
| Packing group | III | E |
| Additional information: | | |
| Special provisions | 16 | |
| | | |
| | | \mathbf{v} |

| 15. Regulatory Information | | |
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| Canadian federal regulations | This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. | |
| US Federal regulations | This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List. | |
| | CERCLA/SARA Hazardous Substances - Not applicable. | |
| Occupational Safety and Health Ac | dministration (OSHA) | |
| 29 CFR 1910.1200 hazardous chemical | Yes | |
| CERCLA (Superfund) reportable qu None | uantity | |
| Superfund Amendments and Reau | thorization Act of 1986 (SARA) | |
| Hazard categories | Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No | |
| Section 302 extremely hazardous substance | No | |
| Section 311 hazardous chemic | cal Yes | |
| Clean Air Act (CAA) | Not available | |
| Clean Water Act (CWA) | Not available | |
| WHMIS status | Controlled | |
| WHMIS classification | Class D - Division 1B, Class E - Corrosive Material | |
| WHMIS labeling | | |
| State regulations | This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. | |
| U.S Pennsylvania - RTK (Right to | Know) List | |
| Oxalic acid 6 U.S Rhode Island - Hazardous Su | 153-56-6 Present bstance List | |
| Oxalic acid 6 | 153-56-6 Flammable | |

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

16. Other Information

| Disclaimer | Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. |
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| Prepared by | Dell Tech Laboratories Ltd. (519) 858-5021 |
| | |

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