1. Identification

1.1 Product Identifier: Fluoride Free RustGo

1.2 Recommended Use of the Chemical and Restrictions on Use: Removes rust stains from textiles. For industrial/institutional use only. Do not use at home. Keep out of reach of children.

1.3 Details of the Supplier of the Safety Data Sheet:
A. L. Wilson Chemical Co., PO Box 207, Kearny, NJ 07032, USA
Telephone: 201-997-3300
E-mail: SDS@ALWilson.com

1.4 Emergency Telephone Number:
Chemtrec: 800-424-9300 or 703-527-3887

2. Hazards Identification

2.1 Classification of the Substance or Mixture:
Acute Toxic – Category 4
Skin Corrosive – Category 1C

2.2 Label Elements:
Contains: 5-10% Oxalic Acid [144-62-7], Ethanolamine [141-43-5], Water [7732-18-5].

Hazard Pictograms:

Signal Word: Danger

Hazard Statements:
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.

Precautionary Statements:

Prevention:
P102: Keep out of reach of children.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P308+P313: If exposed or concerned: Get medical advice/attention.
P301+P312+P330+P331+P321: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
P303+P361+P353+P363: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

Storage:
P234: Keep only in original container.
P405: Store locked up.

Disposal Considerations:
P501: Dispose of contents/container to waste collection point and in accordance to applicable regulations.

2.3 Other Hazards:
3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>80% ≤ C ≤ 90%</td>
</tr>
<tr>
<td>Oxalic Acid</td>
<td>144-62-7</td>
<td>5% ≤ C &lt; 10%</td>
</tr>
<tr>
<td>Ethanolamine</td>
<td>141-43-5</td>
<td>1% ≤ C &lt; 5%</td>
</tr>
</tbody>
</table>

4. First Aid Measures

4.1 Description of Necessary First Aid Measures:

**General Information:** If exposed or concerned: Get medical advice/attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin Contact:** Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

4.2 Most Important Symptoms/Effects, both Acute and Delayed:

**Eye Contact:** Causes severe eye damage.

4.3 Indication of Immediate Medical Attention and Special Treatment Needed: See section 4.1.

5. Fire-fighting Measures

5.1 Suitable Extinguishing Media: Use water or carbon dioxide “CO₂” for fires in area.

5.2 Specific Hazards Arising from the Substance or Mixture: In case of fire: carbon dioxide, carbon monoxide, nitrogen oxides.

5.3 Special Protective Action for Fire-fighters: Use appropriate Personal Protective Equipment when fighting chemical fires. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

Additional Information: Use water spray to cool nearby containers exposed to fire.

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Cordon off spill area. Wear protective gloves/protective clothing/eye protection/face protection. Ensure all equipment (including Personal Protective Equipment) is compatible with all product components. Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

6.2 Environmental Precautions: Avoid release to the environment. Dispose of contents/container to waste collection point and in accordance to applicable regulations.

6.3 Methods and Materials for Containment and Cleaning Up: Neutralize with Soda Ash or Lime slurry. Collect slurry waste and dispose to collection point and in accordance to applicable regulations.

7. Handling and Storage

7.1 Precautions for Safe Handling: Keep out of reach of children. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face
7.2 Conditions for Safe Storage, Including any Incompatibles:

Storage Class: Acids

Store only in original container. Keep container sealed when not in use. Store locked up.

Packaging Material: Plastic.

Unsuitable Packaging Material: Not determined.

8. Exposure Controls / Personal Protection

8.1 Control Parameters:

<table>
<thead>
<tr>
<th>Name</th>
<th>Air Concentration USA ACGIH TLV (ppm)</th>
<th>Air Concentration USA OSHA TWA (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oxalic Acid</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>Ethanolamine</td>
<td>3</td>
<td>6</td>
</tr>
</tbody>
</table>

8.2 Exposure Controls:

Engineering Measures: Work in a well ventilated area or under a ventilation hood.

8.3 Individual Protection Measures, such as Personal Protective Equipment:

Ensure all equipment (including Personal Protective Equipment) is compatible with all product components.

Eye Protection: Wear closed safety glasses or chemical splash goggles.

Skin Protection: Wear protective clothing.

Respiratory Protection: None needed when used with adequate ventilation.

Hand Protection: Wear protective gloves. Gloves must be inspected prior to use. Replace if worn or damaged. Do not reuse.

Hygiene Measures: Wash thoroughly after handling. Do not smoke, eat or drink in work area.

9. Physical and Chemical Properties

Appearance: Clear Liquid.

Odor: Slight Odor.

Odor Threshold: Not Determined.

pH: ~1.0

Melting Point/Freezing Point (°C): Not Determined.

Initial Boiling Point/Boiling Point Range (°C): Not Determined.

Flash Point (°C): Not Applicable.

Evaporation Rate: Not Determined.

Flammability (solid, gas): Not Applicable.

Upper/Lower Flammability or Explosive Limits: Not Applicable.

Vapor Pressure: Not Determined.

Vapor Density: Not Determined.

Relative Density (Water = 1): 1.04 g/cm3 at 20 °C.

Solubility: Highly Soluble in Water.
10. Stability and Reactivity

10.1 Reactivity: No information available.
10.2 Chemical Stability: Stable if used according to specifications.
10.3 Possibility of Hazardous Reactions: Oxidizing agents.
10.4 Conditions to Avoid: Avoid contact with strong alkalis and oxidizing agents.
10.5 Incompatible Materials: No information available.
10.6 Hazardous Decomposition Products: In case of fire: carbon dioxide, carbon monoxide, nitrogen oxides.

11. Toxicological Information

Acute Toxicity: Data not available for mixture.
Skin Corrosion/Irritation: Causes severe skin burns.
Serious Eye Damage/Eye Irritation: Causes severe eye damage.
Respiratory or Skin Sensitization: No information available.
Germ Cell Mutagenicity: No information available.
Carcinogenicity: Not listed by NTP, IARC, OSHA, or ACGIH as a carcinogen.
Reproductive Toxicity: No information available.
Specific Target Organ Toxicity – Single Exposure: No information available.
Specific Target Organ Toxicity – Repeated Exposure: Kidneys.
Aspiration Hazard: No information available.
Inhalation: No information available.
Subchronic/Chronic Toxicity: No information available.

12. Ecological Information

12.1 Ecotoxicity:
Aquatic Toxicity: Not determined.
12.2 Persistence and Degradability: Readily biodegradable.
12.3 Bioaccumulative Potential: Not expected to bio-accumulate.
12.4 Mobility in Soil: No information available.
12.5 Results of PBT and vPvB Assessment: This product does not contain PBT or vPvB substances.
12.6 Other Adverse Effects: No data available.

13. Disposal Considerations

13.1 Disposal Methods:
SAFETY DATA SHEET – Fluoride Free RustGo®

Product (Any Residual Waste/Unused Product): Dispose of any residual product waste or unused product to waste collection point and in accordance to applicable regulations. Avoid release to the environment.

Packaging (White Plastic): After use, close empty bottle, and dispose of to waste collection point and in accordance to applicable regulations.

14. Transport Information

14.1 UN-Number: Not Regulated.
14.2 UN Proper Shipping Name: Not Regulated.
14.3 Transport hazard class(es): Not Regulated.
14.4 Packing group: Not Regulated.
14.5 Environmental Hazard(s): Not Regulated.
14.6 Special Precaution to User: See section 7.
14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable.

15. Regulatory Information

15.1 Safety Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:
U.S. Regulations:
Inventory Status: All components are on TSCA.
U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:
SARA (311/312) Hazard Categories: Acute.
SARA 313: This product does not contain any SARA 313 Toxic Release Chemicals.

16. Further Information

Abbreviations and Acronyms:
ACGIH = American Conference of Governmental Industrial Hygienists.
C = Concentration (weight percent).
DOT = Department of Transportation (United States).
IMDG = International Maritime Dangerous Goods Code.
IARC = International Agency for Research on Cancer.
OSHA = Occupational Safety & Health Administration.
PBT = Persistent, Bioaccumulative and Toxic Substances.
ppm = parts per million.
OELV = Occupational Exposure Limits Values.
TLV = Threshold Limit Values.
TSCA = Toxic Substance Control Act.
TWA = Time-Weighted Average.
vPvB = very Persistent and very Bioaccumulative Substances.

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