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:

Ensure all equipment (including Personal Protective Equipment) is compatible with all product components. See section 8 for exposure limits.

3. Composition/Information on Ingredients

Name	CAS No.	Concentration
Water	7732-18-5	80% ≤ C ≤ 90%
Oxalic Acid	144-62-7	5% ≤ C < 10%
Ethanolamine	141-43-5	1% ≤ C < 5%

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

Revision Date: 05/22/2015 (MM/DD/YYYY)

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

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:

Exposure Limits Values

Name	Air Concentration USA ACGIH TLV (ppm)	Air Concentration USA OSHA TWA (mg/m³)
Oxalic Acid	-	1
Ethanolamine	3	6

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.

Revision Date: 05/22/2015 (MM/DD/YYYY)

Partition Coefficient: n-Octanol/Water: Not Determined.

Auto-ignition Temperature: Not Applicable.

Viscosity: Not Determined.

Explosive Properties: Not Applicable. **Oxidizing Properties:** Not Applicable.

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:

Revision Date: 05/22/2015 (MM/DD/YYYY)

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.

The information contained herein is accurate to the best of our knowledge. A. L. Wilson Chemical Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.