

SAFETY DATA SHEET – ExGo®

1. Identification

1.1 Product Identifier: ExGo

1.2 Recommended Use of the Chemical and Restrictions on Use: Removes silver nitrate 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:

Carcinogenicity – Category 2 – Warning (Carc. 2; H351)

Reproductive Toxicant – Category 2 – Warning (Repr. 2; H361d)

Acute Toxicity, Oral – Category 4

Skin Corrosive – Category 1B

Serious Eye Damage – Category 1

2.2 Label Elements:

Contains: 5-10% Thiourea [62-56-6], 1-5% Hydroxyacetic Acid [79-14-1], Water [7732-18-5].

Hazard Pictograms:



Signal Word: Danger

Hazard Statements:

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H351: Suspected of causing cancer.

H361: Suspected of damaging the unborn child.

Precautionary Statements:

Prevention:

P102: Keep out of reach of children.

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

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.

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Storage:

P234: Keep only in original container.

P405: Store locked up.

Disposal Considerations:

P501: Dispose of contents/container to hazardous or special 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	85% ≤ C ≤ 94%
Thiourea	62-56-6	5% ≤ C ≤ 10%
Hydroxyacetic Acid	79-14-1	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:

Ingestion: May cause headache, nausea, vomiting, breathing difficulty, weakness if swallowed.

Eye Contact: Liquid causes severe skin burns and 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, Carbon Dioxide “CO₂”, dry chemical or foam.

5.2 Specific Hazards Arising from the Substance or Mixture: In case of fire: ammonia, oxides of sulfur.

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: Cordoned 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 hazardous or special waste collection point and in accordance to applicable regulations.

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6.3 Methods and Materials for Containment and Cleaning Up: Neutralize with Soda Ash. Use a universal absorbent material to collect waste and dispose to hazardous or special waste collection point and in accordance to applicable regulations.

7. Handling and Storage

7.1 Precautions for Safe Handling: Keep out of reach of children. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face 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: General

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

Packaging Material: Plastic. Bottle is for the exclusive use of this product.

Unsuitable Packaging Material: Do not store or transfer to a substitute container.

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/m ³)
Components	Not Available	Not Available

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: Liquid (may contain some small white flakes).

Odor: Not Determined.

Odor Threshold: Not Determined.

pH: >2.4

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

Initial Boiling Point/Boiling Point Range (°C): 100 °C (212 °F).

Flash Point (°C): >93 °C (>200 °F) T.C.C. Method.

Evaporation Rate: Not Determined.

Flammability (solid, gas): Not Applicable.

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Upper/Lower Flammability or Explosive Limits: Not Applicable.

Vapor Pressure: Not Determined.

Vapor Density: Not Determined.

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

Solubility: Highly Soluble in Water.

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

Auto-ignition Temperature: Not Determined.

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: No information available.

10.4 Conditions to Avoid: Avoid contact with heat over 135°C.

10.5 Incompatible Materials: Strong oxidizing agents.

10.6 Hazardous Decomposition Products: In case of fire: ammonia, oxides of sulfur.

11. Toxicological Information

Acute Toxicity: Data Not Available for Mixture.

Toxicological information on ingredients:		Acute Toxicity		
Name	CAS No.	Oral LD50 (Rat - mg/Kg)	Inhalation LC50 (Rat – 4H – ppm)	Dermal LD50 (Rabbit – mg/Kg)
Thiourea	62-56-6	1750	-	>2800
Hydroxyacetic Acid	79-14-1	-	3.6	-

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: Suspected of causing cancer (IARC Group 3, Thiourea is not classifiable as a human carcinogen).

Reproductive Toxicity: Suspected of damaging the unborn child.

Specific Target Organ Toxicity – Single Exposure: No information available.

Specific Target Organ Toxicity – Repeated Exposure: No information available.

Aspiration Hazard: No information available.

Inhalation: No information available.

Subchronic/Chronic Toxicity: No information available.

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12. Ecological Information

12.1 Ecotoxicity:

Aquatic Toxicity: Not determined.

12.2 Persistence and Degradability: No data available.

12.3 Bioaccumulative Potential: No data available.

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB Assessment: This product does not contain PBT substances.

12.6 Other Adverse Effects: No data available.

13. Disposal Considerations

13.1 Disposal Methods:

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

Packaging (Plastic): After use, close empty bottle, and dispose of to hazardous or special 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/Chronic.

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name	CAS Number	Concentration
Thiourea	62-56-6	5% ≤ C ≤ 10%

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

 **WARNING:** This product can expose you to chemicals including thiourea, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

16. Further Information

Abbreviations and Acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists.

C = Concentration (weight percent).

DOT = Department of Transportation (United States).

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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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