SAFETY DATA SHEET – PermaGo®

1. Identification

1.1 Product Identifier: PermaGo

1.2 Recommended Use of the Chemical and Restrictions on Use: Residual stain remover for use on 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:
Oxidizing Liquid – Category 3
Skin Irritant – Category 2
Eye Irritant – Category 2

2.2 Label Elements:
Contains: 1-5% Potassium Permanganate [7722-64-7], 5-10% Phosphoric Acid [7664-38-2], Water [7732-18-5].

Hazard Pictograms:

Signal Word: Warning

Hazard Statements:
H272: May intensify fire; oxidizer.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

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+P330+P331+P321: IF SWALLOWED: 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:
P233: Keep container tightly closed.
P234: Keep only in original container.

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

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

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Permanganate</td>
<td>7722-64-7</td>
<td>1% ≤ C ≤ 5%</td>
</tr>
<tr>
<td>Phosphoric Acid</td>
<td>7664-38-2</td>
<td>5% ≤ C &lt; 10%</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>90% ≤ C ≤ 85%</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:** 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 serious eye irritation.

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

5. Fire-fighting Measures

5.1 Extinguishing Media:

**Suitable:** Water for fires in area.

**Unsuitable:** High pressure water jet or water stream.

5.2 Specific Hazards Arising from the Substance or Mixture: Fire or explosion may result in reducible or organic compounds. May emit fumes and phosphorus 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 spills with soda ash or lime slurry. Never neutralize with a strong alkali material. Collect slurry waste and dispose to 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. 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:** Oxidizers

Store only in original container. Keep container tightly closed.

**Packaging Material:** Amber Glass. Do not reuse.

**Unsuitable Packaging Material:** Any clear glass or metal container.

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### 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>Phosphoric Acid</td>
<td>-</td>
<td>1 mg/m³</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.

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### 9. Physical and Chemical Properties

**Appearance:** Purple Liquid.

**Odor:** Odorless.

**Odor Threshold:** Not Determined.

**pH:** ~1.5

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

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

**Flash Point (°C):** Not Applicable.

**Evaporation Rate:** Not Applicable.

**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):** ~1.05 g/cm³ at 20°C.

**Solubility:** Soluble in Water.
SAFETY DATA SHEET – PermaGo®

Partition Coefficient: n-Octanol/Water: Not Applicable.
Auto-ignition Temperature: Not Applicable.
Viscosity: Not Determined.
Explosive Properties: Not Applicable.
Oxidizing Properties: Oxidizer.

10. Stability and Reactivity

10.1 Reactivity: See sub sections below.
10.2 Chemical Stability: Stable if used according to specifications.
10.3 Possibility of Hazardous Reactions: Not determined.
10.4 Conditions to Avoid: High temperatures.
10.5 Incompatible Materials: Reducing agents, organic compounds, alkaline materials, and reactive metals.
10.6 Hazardous Decomposition Products: In case of fire: oxides of phosphorus.

11. Toxicological Information

Acute Toxicity: Data not available for mixture.
Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Eye Irritation: Causes serious eye irritation.
Respiratory or Skin Sensitization: No information available.
Germ Cell Mutagenicity: No information available.
Carcinogenicity: Components not listed by IARC, NTP.
Reproductive Toxicity: No information available.
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.

12. Ecological Information

12.1 Ecotoxicity:
Aquatic Toxicity: Not determined.
12.2 Persistence and Degradability: Not applicable to inorganic substances or materials.
12.3 Bioaccumulative Potential: Not determined.
12.4 Mobility in Soil: Not determined.
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:
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 (Brown Glass): 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: UN3098
14.2 UN Proper Shipping Name: Oxidizing Liquid, Corrosive, N.O.S. (Contains Potassium Permanganate / Phosphoric Acid)
14.3 Transport hazard class(es): 5.1 (8)
14.4 Packing group: PG II
14.5 Environmental Hazard(s): Marine Pollutant: No
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 contains the following SARA 313 Toxic Release Chemicals.

<table>
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<tr>
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<td>7722-64-7</td>
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</table>

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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