

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: **Liquid Laundry™**

Product Number: 4248-0330

Company: ProActive Solutions® USA, LLC
301 Bridge St.
Green Bay, WI 54303

Telephone: 1-920-437-8658

Fax: 1-920-437-4006

Emergency Phone #: 1-800-424-9300 (Chemtrec)

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazard Classification: None known

Signal Word: None

Symbol(s) (pictogram(s)) – None

Hazard statement(s):

May be harmful if swallowed. May be harmful or irritating in contact with skin. May cause eye irritation.

Precautionary statement(s):

Do not eat, drink or smoke while using this product. Wear protective gloves, clothing, and eye and face protection.

Hazards not otherwise classified: None Known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Concentration
Potassium Hydroxide 45%	1310-58-3	10.0 - 15.0%
Ethylenediamine tetraacetate, Tetrasodium	64-02-8	5.0 – 10.0%

The ingredients in this product are proprietary and confidential. Exact percentages are not listed.

4. FIRST AID MEASURES

General Advice: Short single exposure may cause irritation to the skin. May cause irritation with corneal injury and result in permanent impairment of vision. Mist may irritate eyes.

First Aid:

External: Immediately flush skin with plenty of cool, running water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Eyes: Immediately flush with plenty of cool, running water. Remove contact lenses; then continue flushing for at least 15 minutes, holding eyelids apart.

Internal: Call a physician immediately. If swallowed, do not induce vomiting. Rinse mouth, then immediately drink one or two large glasses of water or milk. Never give anything by mouth to an unconscious person.

Inhalation of vapors: Immediately move to fresh air.

Get medical attention immediately.

Most important symptoms/effects, acute and delayed: None Known

Immediate medical attention and special treatment needed, if any: Emergency treatment for irritation to the skin.

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Not a fire hazard – Use water.

Specific hazards from combustion: None known

Special protective equipment for fire-fighters: Good firefighting practices indicate the use of turn-out gear and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Approach release from upwind. Control runoff and isolate discharged material for proper disposal.

Protective equipment: Wear appropriate Personal Protective Equipment, such as chemically resistant gloves and boots, chemical splash goggles or face shield, chemical apron if desired.

Emergency procedures: Follow your company Emergency Response plan for cleanup procedures.

Environmental precautions: Keep spilled material from entering any waterways.

Methods and materials for containment and cleaning up: Soak up residue with inert absorbent material. Dispose of according to federal, state and local guidelines.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or mist. Do not eat, drink or smoke when using this product. Use with adequate ventilation. Wash thoroughly after handling.

Conditions for safe storage: Store in a cool, well-ventilated area out of direct sunlight.

Incompatibilities: None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA permissible exposure limit (PEL): Potassium Hydroxide = 2 mg/m³ Ceiling
Ethylenediamine tetraacetate, Tetrasodium = None Established

American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV): Potassium Hydroxide = 2 mg/m³ (10 hr. TWA)
Ethylenediamine tetraacetate, Tetrasodium = None Established

Any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available: None known

Appropriate engineering controls: Local exhaust ventilation should be adequate.

Personal protective equipment:

- **Respiratory protection:** Not normally required unless there is heavy mist.
 - **Hand protection:** Chemical resistant gloves, neoprene or rubber, which are impervious to this product.
 - **Eye protection:** Chemical splash goggles or face shield.
 - **Skin and body protection:** Chemical apron may be worn.
 - **Hygiene measures:** Wash thoroughly after handling.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid

Odor: Lemon

pH: 13.01

Freezing point: ≤ 32 °F

Initial boiling point and boiling range: n/a

Flash point: n/a

Evaporation rate: n/a

Flammability: n/a

Upper/lower flammability or explosive limits: n/a

Vapor pressure: n/a

Specific Gravity: 1.064

Solubility: Completely soluble

10. STABILITY AND REACTIVITY

Reactivity: None reactive

Chemical stability: Stable

Possibility of hazardous reactions: None known

Conditions to avoid: None known.

Incompatible materials: None known.

Hazardous decomposition products: None known

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: None Known

Inhalation: Mists may cause slight irritation to upper respiratory tract.

Ingestion: May cause gastrointestinal irritation or ulceration and irritation of the mouth and throat.

Skin: Short single exposure may not cause any effect.

Eye contact: May cause irritation with corneal injury and result in permanent impairment of vision, even blindness. Mist may irritate eyes.

Symptoms of exposures: Burning and redness to affected area.

Delayed and immediate effects: Irritating to eyes and skin.

Chronic effects from short- and long-term exposure: None known

Numerical measures of toxicity: 4585 mg/m³ (Oral – Calculated)

Potential or suspected carcinogen based upon listing on NTP, IARC, or by OSHA: Not a suspected carcinogen based on ingredients.

12. ECOLOGICAL INFORMATION*

Ecotoxicity (Aquatic and terrestrial): Not determined

Persistence and degradability: Not determined

Bioaccumulative potential: Not determined

Mobility in soil: Not determined

PBT and vPvB assessment: Not determined

Other adverse effects: Not determined

13. DISPOSAL CONSIDERATIONS*

Handling of waste residue: Neutralize and dilute.

Methods of disposal: Dispose of residue according to federal, state and local regulations.

Disposing of contaminated packaging: To clean the container before final disposal, empty the remaining contents from this container into application equipment. Fill the container ¼ full with water. Replace and tighten closures. Agitate vigorously or recirculate water for 30 seconds. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Follow Pesticide Disposal instructions for rinsate disposal.

14. TRANSPORT INFORMATION*

Not regulated by DOT

Environmental hazards (e.g., Marine pollutant): No

15. REGULATORY INFORMATION*

Safety, health and environmental regulations which apply to this chemical.

Health Phrases:

H303: May be harmful if swallowed.

H313: May be harmful in contact with skin

H320: Causes eye irritation

Precautionary Statements:

P270: Do not eat, drink or smoke while using this product.

P280: Wear protective gloves, clothing, eye and face protection.

16. OTHER INFORMATION

HMIS Classification

Health hazard: 1

Flammability: 0

Reactivity: 0

Personal Protection: A

NFPA Rating

Health hazard: 1

Fire: 0

Reactivity Hazard: 0

Special hazards: X

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*Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29CFR 1910.1200(g)(2)).

Employers must ensure that SDSs are readily accessible to employees.

See Appendix D of 1910.1200 for a detailed description of SDS contents.

Date Prepared/Revised: December 3, 2014

Prepared/Revised By: Bill Jensen