

# Material Safety Data Sheet

Number: **DMN0414**

Product Name: **L.L. Power Spotter, Daco®**

A heavy duty laundry spotter.

Revised: 4/22/11

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## Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>Carcinogen</u>
2-Butoxyethanol	111-76-2	< 1%	No
2-Hydroxyethyl Amine	141-43-5	< 1%	No

## Section 3 - Hazards Identification

**Emergency Overview:** Concentrate is very irritating or corrosive to skin and corrosive to eyes. Excessive inhalation of vapors may cause irritation. Product is water based and presents little hazard in a fire. Product has a high pH and large amounts should not be allowed into sanitary sewers without neutralizing. A light blue liquid with a sharp odor.

**Primary Routes of Entry:**  Skin contact;  Skin absorption;  Inhalation;  Ingestion

### Potential Health Effects:

**Eyes** - causes eye damage.

**Skin** - Concentrate causes reddening, irritation and possible skin damage with prolonged contact. If spilled product is allowed to remain on clothing or in shoes, permanent damage to the skin could occur over a period of time.

**Swallowing** - may result in damage to mucous membranes.

**Breathing** - excessive inhalation of vapors causes coughing and irritation of the respiratory tract.

**Target Organs** - If exposure limits are exceeded by not following the precautions given on this sheet and the directions given on the label, there are possible liver, kidney, CNS and blood effects. (See Section 11).

## Section 4 - First Aid Measures

**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get medical attention immediately.

**Skin Contact:** For brief contact with skin, rinse thoroughly with running water. For longer contact flush the exposed skin with running water for 15 minutes. Remove contaminated clothing and shoes as soon as possible. If irritation develops and persists get medical attention. Wash contaminated clothing before using again. Discard contaminated shoes if liquid has gotten inside or soaked through.

**Ingestion:** Do not induce vomiting. If the person is conscious, give a glass of water or milk to drink. Treat for shock by keeping the person warm and quiet. Get medical attention at once.

**Inhalation:** Move the affected person to fresh air. If irritation persists get medical attention.

## Section 5 - Fire Fighting Measures

**Flash Point:** None.

**Lower Explosive Limit:** Not Available

**Upper Explosive Limit:** Not Available

**Extinguishing Media:** Any.

**Special Fire Fighting Procedures:** None.

**Unusual Fire And Explosion Hazards:** None.

## Section 6 - Accidental Release Measures

**Steps To Be Taken If Material Is Released Or Spilled:** Wipe or mop up small spills. Or wash the spill to a sanitary sewer with a large amount of water. Larger spills should be diked to prevent entry into sewers.

## Section 7 - Handling and Storage

Do not spray this product, apply using the squirt cap only. Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet.

## Section 8 - Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>TWA(source)</u>	<u>STEL</u>	<u>Ceiling</u>
2-Butoxyethanol	111-76-2	< 1%	50 ppm(1), 25 ppm(3,4)	75 ppm(4)	-
2-Hydroxyethyl Amine	141-43-5	< 1%	3 ppm(1,2,3,4)	6 ppm(2,3,4)	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

**Ventilation:** Use only with good ventilation. The exhaust fan found in most laundries is sufficient.

**Respiratory Protection:** None required when used as directed with good ventilation.

**Protective Gloves:** Wear resistant gloves such as neoprene, latex or Nitrile. Disposable latex gloves are okay.

**Eye Protection:** Wear safety glasses with side shields.

**Other Protective Equipment:** Wear a protective apron of plastic or rubber.

## Section 9 - Physical and Chemical Properties

**Boiling Point:** 212° F.

**Specific Gravity:** 1.0

**Percent Volatiles:** 90%

**Solubility In Water:** Complete

**Appearance and Odor:** A light blue liquid with a sharp odor.

**Vapor Pressure:** Not Available.

**Vapor Density:** Not Available

**Evaporation Rate:** Same as water.

**pH:** 13.5 ± 0.5

## Section 10 - Stability and Reactivity

**Stability:** Stable

**Incompatibility:** None

**Hazardous Polymerization:** Will not occur.

**Hazardous Decomposition Products:** None

## Section 11 - Toxicological Information

Some studies have shown that severe over-exposure to 2-butoxyethanol (Butyl Cellosolve) may cause breakdown of mature circulating red blood cells. In laboratory rats it has also been suggested as a cause of kidney and liver abnormalities. In laboratory rats 2-Aminoethanol has also been suggested as a cause of kidney abnormalities. Due to the very small levels in the product it is unlikely that exposure will exceed permissible exposure levels.

## Section 12 - Ecological Information

Do not dispose of in the environment.

## Section 13 - Disposal Considerations

**Waste Disposal Method:** A few gallons may be washed to a sanitary sewer with a large amount of water. Larger amounts should be neutralized to within the pH limits of your waste water treatment system before disposal.

## Section 14 - Transport Information

**D.O.T. Hazard Class:** Consumer Commodity ORM-D.

## Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

**Section 313 Supplier Notification:** This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and CFR 372.

<u>Chemical Name</u>	<u>C.A.S. No.</u>	<u>% By Weight</u>	<u>Lbs./Gallon</u>
2-Butoxyethanol	111-76-2	0.27	0.0227

## Section 16 - Other Information

**NFPA:** H:1 F:0 I:0 **HMIS® III:** H:2 F:0 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 10/4/05. Changed product name from L.L. Spray and Wash and made hazard warnings more appropriate for the low ingredient concentrations. Corrected product description below name.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.