

Material Safety Data Sheet

Number: **DMN0503**

Product Name: **L.L. Work Duds, Daco®**

A liquid laundry detergent.

Revised: 8/27/12

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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>
Isopropyl Alcohol	67-63-0	1%	No
2-Butoxyethanol	111-76-2	16%	No

Section 3 - Hazards Identification

Emergency Overview: Liquid is irritating to the eyes and skin. Vapors may cause irritation if breathed excessively. Contains alcohol, but product will not burn and poses no hazard in a fire. A light tan liquid with a mild odor.

Health Hazards: Irritant

Physical Hazards: None

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

Potential Health Effects:

Eyes - may cause irritation, redness, tearing.

Skin - may cause irritation.

Swallowing - may cause irritation to mouth and throat.

Breathing - may cause irritation if inhaled excessively.

Section 4 - First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get medical attention.

Skin Contact: Wash exposed area with soap and water. If irritation develops and persists, get medical attention.

Inhalation: Move the exposed person to fresh air. If symptoms persist, get medical attention.

Ingestion: If the person is conscious, give two glasses of water to drink. Induce vomiting immediately by sticking finger down throat to trigger gag reflex. Treat for shock by keeping warm and quiet. Get medical attention immediately.

Section 5 - Fire-Fighting Measures

Flash Point: none. (ASTM D-56 closed cup)

Lower Explosive Limit: Not Applicable

Upper Explosive Limit: Not Applicable

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: Clean up small spills with a rag or mop. Larger spills can be washed to sewer with plenty of water.

Section 7 - Handling and Storage

Store at temperatures between 40° and 100° F.

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>
Isopropyl Alcohol	67-63-0	1%	400ppm(1,2,3,4)	500ppm(2,3,4)	-
2-Butoxyethanol	111-76-2	16%	50ppm(1), 25ppm(3,4)	75ppm(4)	-

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

Ventilation: Good normal room ventilation.

Respiratory Protection: In an enclosed area, if any exposure limit will be exceeded wear an appropriate respirator.

Gloves: Persons with sensitive skin or who use the product for prolonged periods may wish to use rubber or latex gloves. Disposable latex gloves are okay.

Eye Protection: If eye contact is possible, wearing safety glasses with side shields, especially for contact lens wearers, is a good idea, but not required.

Other Protective Equipment: None.

Section 9 - Physical and Chemical Properties

Boiling Point: 210° F.

Specific Gravity: 1.02

Percent Volatiles: 60%

Solubility In Water: Complete

Appearance and Odor: Light tan liquid with a mild odor.

Vapor Pressure: Not Available

Vapor Density: Not Available

Evaporation Rate: Same as water.

pH: 7.5 ± 0.5

Section 10 - Stability and Reactivity

Incompatibility: None

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Target Organs: 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.

Section 12 - Ecological Information

Not hazardous, but do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Wash to sanitary sewer with a large amount of water.

Section 14 - Transport Information

D.O.T. Hazard Class: Not considered hazardous by D.O.T., I.M.C.O., I.A.T.A. or U.N.

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	16	1.38

Section 16 - Other Information

NFPA®: H:0 F:0 I:0 **HMIS® III:** H:1 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.

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.