

Material Safety Data Sheet

Number: **DMN0253**

Product Name: **Blanket Wash WB**

A liquid detergent.

Revised: 5/9/12

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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>
2-Butoxyethanol	111-76-2	10 - 20	No
Orange oil terpenes	68647-72-3	2 - 10	No
1-(2-butoxy--1-methylethoxy)-2-propanol	29911-28-2	2 - 10	No

Section 3 - Hazards Identification

Emergency Overview: Liquid is very irritating to the eyes and mildly irritating to the skin. An orange liquid with orange odor. Product is water based and does not burn. It may be possible for a flammable concentration of vapors to accumulate from a large spill in an enclosed area.

Health Hazards: Irritant

Physical Hazards: None

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

Potential Health Effects:

Eyes - causes irritation, redness, tearing, blurred vision and possible eye damage.

Skin - prolonged or repeated contact may cause moderate irritation, defatting, dermatitis.

Swallowing - may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Breathing - excessive inhalation of vapors may cause nasal and respiratory irritation, dizziness, nausea.

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 the exposed area with soap and water. If irritation develops and persists, get medical attention. Launder contaminated clothing before re-use.

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

Ingestion: If the affected person is conscious, give 2 glasses of water to drink. Induce vomiting immediately by sticking fingers down the throat to trigger the gag reflex. Treat for shock by keeping the person warm and quiet.

Section 5 - Fire-Fighting Measures

Flash Point: 120° F. (ASTM D-56 closed cup) There is no open cup flash point. The product is not flammable and will not burn. Butoxypropanol and terpene vapors may collect in the air space in drums or tanks to within flammable limits. These vapors are combustible with sparks or flame at or above the flash point temperature.

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: Wipe or mop up small spills. Larger spills can be collected into clean pails or drums for later use or washed, small amounts at one time, to a sanitary sewer with plenty of water.

Section 7 - Handling and Storage

Contaminated rags may create flammable vapors in an enclosed container.

Empty containers retain product residue. 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	10 - 20	50 ppm(1), 25 ppm(3,4)	75 ppm(4)	-
Orange oil terpenes	68647-72-3	2 - 10	no published limits are known		
1-(2-butoxy--1-methylethoxy)-2-propanol	29911-28-2	2 - 10	no published limits are known		

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

Ventilation: Good room ventilation.

Respiratory Protection: None under expected use conditions with good ventilation.

Gloves: Wear rubber or latex gloves. Do not use disposable latex gloves. Disposable Nitrile are okay.

Eye Protection: If eye contact with the concentrate is possible, wear safety glasses with side shields.

Other Protective Equipment: if splashing of concentrate is possible wear a vinyl or rubber apron.

Section 9 - Physical and Chemical Properties

Boiling Point: 215° F.

Specific Gravity: 1.0

Percent Volatiles: 91%

Solubility In Water: Complete

Appearance and Odor: Orange liquid with orange odor.

Vapor Pressure: Not Available

Vapor Density: Not Available

Evaporation Rate: Same as water.

pH: 6.4 ± 0.5

Section 10 - Stability and Reactivity

Incompatibility: None

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Target Organs: None.

Section 12 - Ecological Information

Do not release into the environment due to the large amount of foam produced.

Section 13 - Disposal Considerations

Waste Disposal Method: Wash small amounts at a time to a 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	19.7	1.16

Section 16 - Other Information

NFPA: H:1 F:1 I:0 **HMIS® III:** H:2 F:1 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: 7/20/06. Updated pH, int'l phone, routes of entry.

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.