

Material Safety Data Sheet

Number: **DMN0426**

Product Name: **Daco Super-Strip**

A liquid alkaline detergent and wax stripper.

Revised: 3/23/09

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24 hour **Emergency Only** phone: 1-800-535-5053
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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	> 35%	No
2-Hydroxyethyl amine	141-43-5	15 - 20%	No
Potassium hydroxide	1310-58-3	1 - 2%	No

Section 3 - Hazards Identification

Emergency Overview: Liquid is corrosive to skin and 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 sewers (sanitary or storm) without neutralizing. A yellow liquid with a sharp odor.

Health Hazards: Corrosive, Irritant

Physical Hazards: None

Primary Routes of Entry: Through Skin Inhalation Ingestion

Potential Health Effects:

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

Skin - prolonged contact can cause skin damage and loss. There is little or no effect if rinsed off thoroughly right away. Milder solutions cause irritation only.

Swallowing - may result in damage to mucous membranes and gastrointestinal irritation.

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

Target Organs - If exposure limits are willfully 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 water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention immediately.

Skin Contact: Immediately flush skin with running water for 15 minutes. Remove contaminated clothing and shoes. If irritation persists, call a physician. Wash clothing before wearing again.

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

Ingestion: If the product is swallowed, do NOT induce vomiting. If the affected person is conscious, give a glass of water or milk to drink. Get medical attention immediately.

Section 5 - Fire-Fighting Measures

Flash Point: 150° F. ASTM D-56 Closed Cup. NOTE: There is no open cup flash point. The product is not flammable and will not burn. However, vapors may concentrate in the closed air space above the product in drums or tanks. These vapors are flammable by sparks or flame at or above the flash point temperature. This does not apply to gallon jugs or 5 gallon pails. Only in a very small closed container such as the closed cup tester, can flash occur. There is not enough of the flammable ingredients present to create flammable conditions in open air.

Lower Explosive Limit: Not Available

Upper Explosive Limit: Not Available

Extinguishing Media: Any

Special Fire Fighting Procedures: None.

Unusual Fire And Explosion Hazards: If all water is evaporated the heated residue could possibly produce some carbon monoxide and various hydrocarbons.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Wipe or mop up small spills. Small spills of up to 2 gallons may be washed to a sanitary sewer with a large amount of water.

Section 7 - Handling and Storage

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet. Floors are very slippery when stripping.

Do not weld or cut on or around drums or totes. Vapors in the head-space may be flammable.

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	> 35%	50 ppm(1), 25 ppm(3,4)	75 ppm(4)	-
2-Hydroxyethyl amine	141-43-5	15 - 20%	3 ppm(1,2,3,4)	6 ppm(2,3,4)	-
Potassium hydroxide	1310-58-3	1 - 2%	2 mg/m ³ (2)	-	2 mg/m ³ (3,4)

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

Ventilation: Good room ventilation by opening doors and possibly opening windows.

Respiratory Protection: None under expected use conditions. If used in an enclosed area and there is a possibility of exceeding any of the above exposure limits, a suitable respirator with an organic vapor cartridge is required.

Protective Gloves: Wear resistant gloves such as neoprene or latex while pouring/mixing and whenever hand scraping or scrubbing edges or corners. Do not use disposable latex gloves. Disposable Nitrile is okay.

Eye Protection: Safety glasses with side shields or goggles.

Other Protective Equipment: An eyewash station should be within 10 seconds travel time from mixing and use areas. Wear boots, rubbers or impervious shoes with non-slip soles. No bare tennis shoes or sneakers. Do not kneel in stripper unless wearing protective rubber or PVC pants.

Section 9 - Physical and Chemical Properties

Boiling Point: 215° F.

Specific Gravity: 1.0

Percent Volatiles: 98%

Solubility In Water: Complete

Appearance and Odor: Yellow liquid with sharp odor.

Vapor Pressure: Not Available

Vapor Density: Not Available

Evaporation Rate: Same as water.

pH: concentrate 12.5 ± 0.5

Section 10 - Stability and Reactivity

Incompatibility: None

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-Hydroxyethyl amine has also been suggested as a cause of kidney abnormalities. Exposure to these two ingredients has been tested by personal air monitoring following NIOSH methods. This was done in an average sized grocery store during a 7 hour period of stripping. The highest 8 hour TWA for both ingredients was below the limits shown in Section 8 above.

Section 12 - Ecological Information

Do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Dispose of up to 2 gallons of concentrate in a sanitary sewer with a large amount of water. Larger amounts must be neutralized to within the pH limits of your waste water treatment system.

Section 14 - Transport Information

D.O.T. Hazard Class: SODIUM HYDROXIDE SOLUTION, 8, UN 1824, Pg II

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	40.0	3.3

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 12/10/07. Updated D.O.T. Hazard Class.

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.