

Material Safety Data Sheet

Number: **DMN0132**

Product Name: **Poly-Strip**

A liquid alkaline detergent.

Revised: 11/8/11

Damon Industries, Inc. Box 2120 Alliance, Ohio 44601 U.S.A.	1-800-362-9850 1-330-821-5310 1-330-821-6355 Fax info@DamonQ.com	INFOTRAC 24 HR. EMERGENCY RESPONSE 1-800-535-5053 (U.S. & Canada) 001-352-323-3500 (International)
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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	2 - 10%	No
2-Hydroxyethyl Amine	141-43-5	2 - 10%	No
2-Methoxymethylethoxy-propanol	34590-94-8	2 - 10%	No
Potassium Hydroxide	1310-58-3	2 - 10%	No

Section 3 - Hazards Identification

Emergency Overview: Liquid is corrosive to skin and eyes. Fumes may be irritating when inhaled. Product is non-flammable, water based and presents little hazard in a fire. Product has a high pH and large quantities of concentrate should not be allowed into sewers without neutralizing. A light blue liquid with a sharp odor.

Health Hazards: Corrosive, Irritant

Physical Hazards: None

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

Potential Health Effects:

Eyes - causes severe irritation and damage, redness, tearing, blurred vision, may cause blindness.

Skin - Contact with the concentrate for more than a few minutes can cause permanent damage to the skin.

Damage can be avoided by prompt action. Use-dilutions cause severe irritation and possible damage with prolonged contact.

Swallowing - causes gastrointestinal irritation and burns, nausea, vomiting, diarrhea.

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

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: Begin flushing exposed skin with running water and removing contaminated clothing and shoes as quickly as possible. Continue flushing exposed area with water for 15 minutes. If damage is evident or irritation persists, get medical attention. Wash clothing before reuse. Throw away contaminated shoes.

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

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

Section 5 - Fire Fighting Measures

Flash Point: 150° F. ASTM D-56 Closed Cup.

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: Small spills of up to 4 gallons may be cleaned up with a rag or mop. Larger spills should be diked to prevent spreading and then collected into clean pails or drums. Wear proper personal protective equipment.

Section 7 - Handling and Storage

Floors are very slippery when stripping. Empty containers retain product residue and may be hazardous.

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	2 - 10%	50 ppm(1), 5 ppm(2) 20 ppm(3), 25 ppm(4)	75 ppm(4)	-
2-Hydroxyethyl Amine	141-43-5	2 - 10%	3 ppm(1,2,3,4)	6 ppm(2,3,4)	-
2-Methoxymethylethoxy-propanol	34590-94-8	2 - 10%	100ppm(1,2,3,4)	150ppm(2,3,4)	-
Potassium Hydroxide	1310-58-3	2 - 10%	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. Four changes of air per hour is good

Respiratory Protection: None under expected use conditions. If used in an enclosed area with poor ventilation there may be a possibility of exceeding the TWA of 2-butoxyethanol. In this case a suitable respirator with an organic vapor cartridge is required. See Section 11.

Protective Gloves: Wear resistant gloves such as neoprene or latex while pouring/mixing and whenever hand scraping or scrubbing edges, baseboards or corners.

Eye Protection: Safety glasses with side shields or goggles. An eye wash station should be located within 10 seconds travel time from where the concentrate is mixed or used.

Other Protective Equipment: 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: 212° F.

Specific Gravity: 1.2

Percent Volatiles: 90%

Solubility In Water: Complete

Appearance and Odor: Light blue liquid - 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

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. In laboratory rats 2-hydroxyethylamine has also been suggested as a cause of kidney abnormalities. Exposure to these two ingredients was 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 well 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 4 gallons of concentrate in the sanitary sewer with a large amount of water. Larger amounts may have to be neutralized to within the pH limits of your waste water treatment system before disposal. Call them for approval. Call Damon Industries at 1-800-362-9850 if you need neutralizing instructions.

Section 14 - Transport Information

D.O.T. Hazard Class: UN 1824, Sodium Hydroxide, Solution, 8, P.G. 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	7.2	.72

Section 16 - Other Information

NFPA: H:2 F:0 I:0 **HMIS® III:** H:3 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 5/29/08. Updated contact information and removed head space warning.

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.