



MATERIAL SAFETY DATA SHEET

This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

 <p>WHMIS (Pictograms)</p>		<p>WHMIS CLASS E: Corrosive Liquid Material causing immediate and serious toxic effects.</p> <p>WHMIS (Classification)</p>		<p>HCS CLASS: Corrosive Liquid</p> <p>HCS</p>	
Section 1. Chemical Product and Company Identification					
Product Name/Trade Name		Diamond Super Degreaser HD83		Code	
Synonym		Water Based Degreaser		CAS # Not Applicable.	
Chemical Family		Not available		Validation Date Jan 21, 2015	
Chemical Formula		Not applicable		In Case of Emergency 800-813-9621	
Manufacturer/Supplier		Diamond Products 61 Shaver St. PO BOX 1507 Brantford, ON N3T 5V6 519-759-2443		Protective Clothing	
TSCA		TSCA Inventory: All components listed or are exempt from listing			
DSL/NDSL		All components listed unless noted elsewhere on this MSDS			

Section 2. Information on Hazardous Ingredients				
Name	CAS #	% by Weight	Exposure Limits	LC50/LD50
2-Butoxy ethanol	111-76-2	<10	25 ppm (skin)	1.48 g/kg (rat,oral)/Not available
Potassium Hydroxide	1310-58-3	<10	C2 mg/M3	205 mg/kg (rat,oral)/Not available
Dodecylbenzene Sulfonic Acid	27176-87-0	<5	None	650mg/k (rat,oral)/510mg/m3/2h(rat)

Section 3. Hazards Identification	
Potential Acute Health Effects	Corrosive to skin & eyes. Eye contact-possible burning, tearing, redness & corneal damage. Skin contact-possible slippery feeling, redness, swelling & burns. Symptoms may be delayed. Inhalation-overexposure to 2-Butoxy ethanol (butyl) vapors may cause central nervous system effects including drowsiness, headaches, nausea, dizziness.
Potential Chronic Health Effects	Overexposure to 2-Butoxy ethanol may cause damage to one or more of the target organs listed below.
Carcinogenic Effects	NTP? No, IARC Monographs? No, OSHA Regulated? No
Target Organs	Eyes, skin, liver, kidneys, lymphoid system, respiratory system and blood.
Medical Conditions Generally Aggravated by Exposure	Not available

Section 4. First Aid Measures	
Eye Contact	Immediately flush with sanitary eyewash solution or running water for at least 15 minutes. Obtain immediate medical attention. Continue flushing until medical attention arrives.
Skin Contact	Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.
Inhalation	Remove victim to fresh air, keep warm, quiet and contact physician immediately.
Ingestion	DO NOT INDUCE Vomiting! Drink 2 glasses of water followed by orange juice and immediately call a physician. Never give anything by mouth to an unconscious person.
Sources Used: Raw material data, general toxicology from the trade for similar products.	

Section 5. Fire Fighting Measures	
Products of Combustion	Non-Flammable
Fire Fighting Media and Instruction	N/A
Special Remarks on Fire Hazards	N/A
Special Remarks on Explosion Hazards	N/A



Section 6. Accidental Release Measures

Small Spill and Leak	Dike and contain spill with inert material (sand, earth, etc.) Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.
Large Spill and Leak	Dike and contain spill with inert material (sand, earth, etc.) Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.
Personal Protection in Case of a Large Spill	Approved safety goggles or shield, natural rubber or synthetic gloves, rubber footwear, Use NIOSH/MSHA approved organic vapor respirator in areas where vapor levels exceed limits.

Section 7. Handling and Storage

Precautions	Normal care in handling and storage. Keep out of reach of children. Keep from freezing.
Incompatibility	Not available
Storage	Normal care in handling and storage. Keep out of reach of children. Keep from freezing.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Normal good ventilation should be sufficient	
Personal Protection	Eyes	Approved safety goggles, glasses or face shield
	Body	Rubber footwear
	Respiratory	Not usually required, however when levels may exceed limits, use NIOSH/MSHA respirator
	Hands	Gloves (natural rubber or synthetic)
Protective Clothing (pictogram)	 	
Work/Hygienic Practices	Do not contaminate food or beverages with cleaning chemicals.	
Exposure Limits	Consult local authorities for acceptable exposure limits.	

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Butyl aroma
Molecular Weight	Not applicable		
pH	11	Color	red
Boiling/Condensation Point	approx 212°F (100°C)		
Melting/Freezing Point	Not Available.		
Critical Temperature	Not Available.		
Instability Temperature	Not Available.		
Specific Gravity	.0987 (water=1)		
Vapor Pressure	Not Available.		
Vapor Density	Less than air		
Volatility	Not Available.		
VOC	Not available.		
Evaporation Rate	<1		
Dispersion Properties	Not available.		
Solubility	Complete in water		
The Product is:	Stable		
Auto-ignition Temperature	Not applicable		
Flash Points	Not applicable		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in the presence of various materials.		
Explosion Hazards in Presence of Various Substances	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.		



Section 10. Stability and Reactivity Data


Stability	This product is stable.
Incompatibility with Various Substances	Not available
Hazardous Decomposition Products	Not available

Section 11. Toxicological Information									
Routes of Entry	Skin Absorption, Ingestion, Inhalation, Eye Contact								
Acute Effects on Humans	<table border="0"> <tr> <td>Eyes</td> <td>Corrosive to eyes. May cause chemical burns on contact.</td> </tr> <tr> <td>Skin</td> <td>Corrosive to skin. May cause chemical burns on contact.</td> </tr> <tr> <td>Inhalation</td> <td>Overexposure to 2-Butoxy ethanol may cause damage to central nervous system, effects include drowsiness, headache, nausea, dizziness.</td> </tr> <tr> <td>Ingestion</td> <td>Harmful if swallowed.</td> </tr> </table>	Eyes	Corrosive to eyes. May cause chemical burns on contact.	Skin	Corrosive to skin. May cause chemical burns on contact.	Inhalation	Overexposure to 2-Butoxy ethanol may cause damage to central nervous system, effects include drowsiness, headache, nausea, dizziness.	Ingestion	Harmful if swallowed.
Eyes	Corrosive to eyes. May cause chemical burns on contact.								
Skin	Corrosive to skin. May cause chemical burns on contact.								
Inhalation	Overexposure to 2-Butoxy ethanol may cause damage to central nervous system, effects include drowsiness, headache, nausea, dizziness.								
Ingestion	Harmful if swallowed.								
Chronic Effects on Humans	Overexposure to 2-Butoxy ethanol may cause damage to one or more of target organs listed above.								
Special Remarks on Chronic Effects on Humans	No additional remark.								
Teratogen, Mutagen, Reproductive Toxin Status	Not available								
Toxicologically Synergistic Products	Not available								

Section 12. Ecological Information	
Ecotoxicity	Not available.
BOD5 AND COD	Not available.
Products of Biodegradation	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations	
Waste Information	Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewerred, depending on the materials and/or contaminates being cleaned, as well as state, federal and local sewer commission regulations.
Waste Stream	Not available

Section 14. Transport Information	
DOT (U.S.A.) (Pictograms)	
TDG Classification	8 
PIN UN, Proper Shipping Name, PG	Shipping name: Corrosive liquid, basic, inorganic, NOS (potassium hydroxide), Class 8, UN3266, PGII
Maritime Transportation	Not available.
Special Provisions for Transport	Not available.

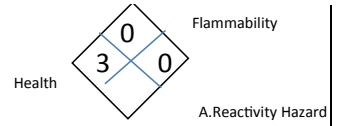
Section 15. Other Regulatory Information and Pictograms													
WHMIS (Classification)	WHMIS CLASS E: Corrosive Liquid. Immediate Health Hazard 												
Regulatory Lists	All ingredients listed.												
Other Regulations													
Other Classifications	<table border="0"> <tr> <td>CERCLA Reportable Quality</td> <td>none</td> </tr> <tr> <td>SARA Title III</td> <td>Section 302 Extremely Hazardous Chemicals: None</td> </tr> <tr> <td></td> <td>Section 311/312 Hazard Category: Immediate Health Hazard, Chronic Health</td> </tr> <tr> <td></td> <td>Section 313 Toxic Chemicals: 2-Butoxy Ethanol</td> </tr> <tr> <td>WHMIS CLASS E</td> <td>Risk Phrase: R21, R22, R41</td> </tr> <tr> <td></td> <td>Precautions: S2, S26, S62</td> </tr> </table>	CERCLA Reportable Quality	none	SARA Title III	Section 302 Extremely Hazardous Chemicals: None		Section 311/312 Hazard Category: Immediate Health Hazard, Chronic Health		Section 313 Toxic Chemicals: 2-Butoxy Ethanol	WHMIS CLASS E	Risk Phrase: R21, R22, R41		Precautions: S2, S26, S62
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HD83 Diamond Super Degreaser

Hazardous Material
Information System
(U.S.A.)

Health	3
Flammability	0
A. Reactivity Hazard	0

National Fire
Protection
Association
(U.S.A.)



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE Specific Hazard MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Prepared by Hawco Products Ltd. Verified by A White Jan 21, 2015

Information Contact Hawco Products Ltd./ Diamond Products
61 Shaver St. PO BOX 1507
Brantford, ON N3T 5V6

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.