Material Safety Data Sheet

WHMIS (Pictograms) WHMIS (Classification) HCS E D-1B HCS CLASS: Corrosive liquid. Section 1. Chemical Product and Company Identification "我们的心理的特别是一种是自己的一种是是一种不同的。" Product Name/ Trade Code name Step Saver Plus CAS# Not applicable. Synonym Very Aggressive No-Rinse Stripper Validation Date 7/30/2003 Chemical Family Not available. **Print Date** 8/13/2003 Chemical Formula Not applicable. In Case of Chemirec (800) 424-9300 Manufacturer/ Supplier Emergency Arnold Sales Complete Janitorial Supply, Inc TSCA TSCA Inventory: All components listed or are exempt from listing. Protective Clothing DSL DSL: All components listed unless noted elsewhere on this MSDS

Name	CAS#	% by Weight	Exposure Limits	LCss/LDs0
1) Water 2) 2-Butoxyethanol	7732-18-5 111-76-2	>52 <21	Not available. TWA: 20 (ppm) from ACGIH (TLV) [United States] TWA: 50 (ppm) from OSHA (PEL) [United States]	Not available. ORAL (LD50): Acute: 1746 mg/kg [Rat].
Potassium Hydroxide Sodium Xylene Sulfonate Monoethanolamine	1310-58-3 1300-72-7 141-43-5	<10 <7 <5	Not available. Not available. TWA: 3 (ppm) TWA: 6 (ppm) from OSHA (PEL) [United States] STEL: 6 (ppm)	Not available. Not available. Not available.
6) Tetrapotassium Pyrophosphate	7320-34-5	<1	Not available.	Not available.
7) Anionic Surfactant	68130-47-2	<1	Not available.	ORAL (LD50): Acute: 3950 mg/kg [Rat].
Tetrasodium sait of ethylendiaminetetraacetic acid	64-02-8	<1	Not available.	ORAL (LD50): Acute: 3030
9) Triethanolamine	102-71-6	<1	Not available,	ORAL (LD50): Acute: 4000 mg/kg [Rat].
10) Perfume Oil	N/A	<1	Not available.	Not available.

Potential Acute Health Effects Corrosive to skin and eyes on contact. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Potential Chronic Health Effects May aggravate existing respiratory conditions such as asthma. Severe over exposure may cause nervous system damage and kidney damage. Repeated or prolonged exposure to the substance may

produce liver damage, blood disorders.

Section 4. Firs	t Aid Measures
Eye Contact	Avoid contact with eyes. Call a poison control center or doctor immediately for treatment advice. Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
Skin Contact	Rinse skin immediately with plenty of water for 15 to 20 minutes.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.
Ingestion	Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person

Products of Combustion	nting Measures Not available.
Fire Fighting Media and Instructions	Non-flammable substance.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark,

Section 6. Accidenta	Release Measures
	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Corrosive liquid. Do not touch damaged container or spilled material. Isolate the area, do not attempt to clean-up spill, notify your manager for additional instructions.
Personal Protection in Case of	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7. Hand	dling and Storage
Precautions	After handling, always wash hands thoroughly with soap and water. Do not breathe gas/fumes/vapor/spray. Do not ingest. Good general ventilation should be sufficient to control airborne levels.
Incompatibility	acids , oxidizing materials, metals
Storage	Corrosive materials should be stored in a separate safety storage cabinet or room. Handle and open container with care. Keep out of the reach of children. Not for use or storage in or around the home.

Section 8. Exposure Controls/Personal Protection Engineering Controls Good general ventilation should be sufficient to control airborne levels.	
Personal Protection	Control of Control and Control
Eyes	s Splash goggles.
Body	Wear overalls or long sleeved shirt and long trousers, nitrile rubber or neoprene gloves, rubber boots.
	Wear appropriate respirator when ventilation is inadequate. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
Hands	Gloves (impervious).
Protective Clothing (Pictograms)	

Exposure Limits

2-Butoxyethanol TWA: 25 (ppm) TWA: 50 (ppm) from OSHA (PEL)

Monoethanolamine TWA: 3 (ppm) TWA: 6 (ppm) from OSHA (PEL) STEL: 6 (ppm)

Consult local authorities for acceptable exposure limits.

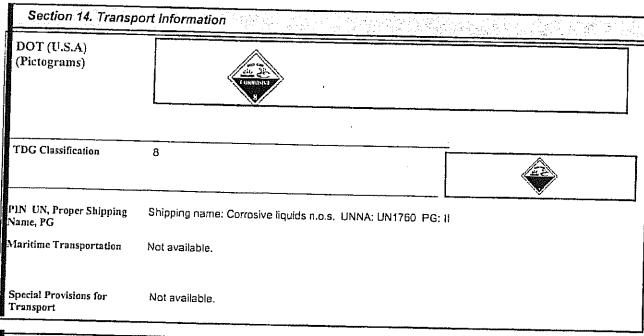
Physical State and	l and Chemical Properties		国际的建筑等的图像 。但是是是
Appearance	Liquid. (Liquid.)	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	Not available.
рН	13.5 to 14 [Basic.]	Color	Coloriess.
Bolling/Condensation Point	t 214°F initial	 	
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1.04 (Water = 1)		
Vapor Pressure	20mm Hg @ 68°F		
Vapor Density	>1 (Air = 1)		
Volatility	90		
VOC	Not available.		
Evaporation Rate	<1 compared to Water		
	<u> </u>	7.00	
Dispersion Properties	See solubility in water.		
Solubility	Easily soluble in cold water.		
The Product is:	May be combustible at high temperatu	re.	
Auto-ignition Temperature	Not available.		
lash Points	Not available.		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	Non-flammable.		
xplosion Hazards in resence of Various ubstances	Risks of explosion of the product in pre Risks of explosion of the product in pre	esence of mechanical esence of static disch	impact: Not available. arge: Not available.

Section 10. Stability and Reactivity Data		
Stability	The product is stable.	
Incompatibility with Various Substances	acids , oxidizing materials, metals	
Hazardous Decomposition Products	Will not accur.	

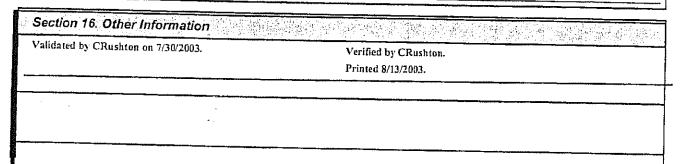
Section 11. Toxicolo	gical Information		
Routes of Entry	Absorbed through skin. Eye contact. Inhalation, Ingestion.		
Toxicity to Animals	WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 1746 mg/kg [Rat]. (2-Butoxyethanol). Acute toxicity of the gas (LC50): 926 ppm 4 hour(s) [Mouse]. (2-Butoxyethanol).		
Acute Effects on Humans			
Eyes	Corrosive to eyes on contact. Eye contact can result in corneal damage or blindness.		
Skin	Corrosive to skin and eyes on contact. Tissue Destruction Possible. Skin contact may produce burns.		
Inhalation	The product is a severe irritant for lungs and respiratory tract. Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract.		
Ingestion	Harmful if swallowed. Burns to mouth, throat and stomach. May be fatal if swallowed.		
Chronic Effects on Humans	May aggravate existing respiratory conditions such as asthma. Severe over exposure may cause nervous system damage and kidney damage. Repeated or prolonged exposure to the substance may produce liver damage, blood disorders.		
Special Remarks on Toxicity to Animals	No additional remark.		
Special Remarks on Chronic Effects on Humans	No additional remark.		

Section 12. Ecological Information		
Ecotoxicity	Not available.	
BOD5 and COD	Not available.	
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.	
Toxicity of the Products of Biodegradation	Not available.	
Special Remarks on the Products of Biodegradation	No additional remark.	

Waste Information	Any method in accordance with applicable laws.		
Waste Stream	Not available.		



WHMIS (Classification)	E 0-1B	ation and Pictograms	
(Sinciacon)	2 3 10	(2)	
Regulatory Lists	No products were	found.	
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).		
Other Classifications	HCS (U.S.A.)	HCS CLASS: Corrosive liquid.	
	USA Regulatory Lists		
		SARA 311/312 MSDS distribution - chemical inventory - hazard identification: 2-Butoxyethanol: immediate health hazard, delayed health hazard; Potassium Hydroxide: Immediate health hazard SARA 313 toxic chemical notification and release reporting: 2-Butoxyethanol	
	DSD (EEC)	R35- Causes severe burns.	
	International		
	Regulations Lists	No products were found.	



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 liazards and should be used with contion. Although certain hozards are described herein, we cannot guarantee that these are the only hazards that exist.

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