

## Material Safety Data Sheet This MSDS is prepared in accordance with OSHA 29 CFR 1910.1200

<b>(</b> T)		D-2B		HCS Class: Irritating substance.	
WHMIS (Pictograms)		WHMIS (Classification)			HCS
Section 1. Che	emical	Product and Company Identification			
Product Name/ Trade name	Es-	Steam (At Dilution)	Code	e	4 0 2 ( A t Dilution)
Synonym	Extrac	ction Cleaner	CAS	S #	Not applicable.
<b>Chemical Family</b>	Not av	vailable.	Vali	dation Da	ate 8/22/2005
<b>Chemical Formula</b>	Not a	oplicable.	Prin	t Date	8/22/2005
Manufacturer/ Supplier	1001 Toled	Corporation Brown Avenue o, Ohio 43607 241-2156	In Ca Emer	ise of (gency	Chemtrec (800) 424-9300
TSCA	TSCA I	nventory: All components listed or are exempt from listing.			
DSL/ NDSL	All con	nponents listed unless noted elsewhere on this MSDS		I	Protective Clothing

Section 2. Composition and Information on Ingredients				
Name	CAS#	% by Weight	<b>Exposure Limits</b>	LC <sub>50</sub> /LD <sub>50</sub>
Water	7732-18-5	>90	Not available.	Not available.
Anionic Surfactant	5324-84-5	0-5	Not available.	Not available.
Potassium Metasilicate	1312-76-1	0-5	Not available.	Not available.
Tetrasodium salt of ethylendiaminetetraacetic acid	64-02-8	0-5	Not available.	ORAL (LD50): Acute: 3030 mg/kg [Rat].
Nonionic Surfactant	9016-45-9	0-5	Not available.	Not available.
Nonionic Surfactant	66455-15-0	0-5	Not available.	Not available.
Propylene Glycol	57-55-6	0-5	Not available.	ORAL (LD50): Acute: 5000 mg/kg [Rat].
Perfume Oil	N/A	0-5	Not available.	Not available.
Dye	N/A	0-5	Not available.	Not available.

Section 3. Hazards Identification		
Potential Acute Health Effects	Eye irritant. Skin Irritant.	
Potential Chronic Health Effects	Repeated skin exposure can produce local skin destruction, or dermatitis.	
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.	

Section 4. First Aid Measures		
Eye Contact	Avoid contact with skin and eyes In case of contact with eyes, rinse immediately with plenty of water. Seek medical attention if irritation persists.	
Skin Contact	Remove contaminated clothing. Flush affected area with water. Seek medical attention if irritation persists.	
Inhalation	Get to fresh air. Seek medical attention if irritation persists.	
Ingestion	Do not induce vomiting. Drink a large quantity of water. Seek medical attention immediately.	

Section 5. Fire Fig	Section 5. Fire Fighting Measures		
<b>Products of Combustion</b>	Not available.		
Fire Fighting Media and Instructions	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	Absorb with an inert material and place in an appropriate waste disposal container.	
Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.	

Section 7. Handling and Storage		
Precautions	After handling, always wash hands thoroughly with soap and water. Avoid contact with skin and eyes. DO NOT ingest.	
Incompatibility	Strong acids.	
Storage	Keep out of reach of children. Keep only in the original container. For Institutional and Commercial Use	

Section 8. Exposur	re Controls/Personal Protection
<b>Engineering Controls</b>	Good general ventilation should be sufficient to control airborne levels.
·	Eye protection is generally not required under normal, intended conditions of product use applicable to end-use solution. Eye protection should be worn in instances where splashing may occur.
Body	No special protective clothing is required.
Respiratory	A respirator is not needed under normal and intended conditions of product use.
	Gloves are generally not required under normal, intended conditions of product use applicable to the end use solution. Hands should be thoroughly washed prior to eating, smoking, or applying cosmetics. Persons with skin conditions, or sensitive skin should wear gloves when using this product.
Protective Clothing (Pictograms)	
Exposure Limits	Not available.

Section 9. Physica	al and Chemical Properties		
Physical State and Appearance	Liquid. (Hazy liquid.)	Odor	Pleasant. (Slight.)
Molecular Weight	Not applicable.	Taste	Not available.
pН	11 to 12 [Basic.]	Color	Green.
Boiling/Condensation Point	214°F initial		
<b>Melting/Freezing Point</b>	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1.1 (Water = 1)		
Vapor Pressure	20mm Hg @ 68°F		
Vapor Density	>1 (Air = 1)		
Volatility	75		
VOC	Not available.		
<b>Evaporation Rate</b>	<1		
<b>Dispersion Properties</b>	See solubility in water.		
Solubility	Easily soluble in cold water.		
The Product is:	May be combustible at high temperature.		
Auto-ignition Temperature	Not available.		
Flash Points	Not available.		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	No specific information is available in our in presence of various materials.	database	regarding the flammability of this product
Explosion Hazards in Presence of Various Substances	Not applicable		

Section 10. Stability and Reactivity Data		
Stability	The product is stable.	
Incompatibility with Various Substances	Strong acids.	
Hazardous Decomposition Products	Will not occur.	

Section 11. Toxico	logical Information
<b>Routes of Entry</b>	Eye contact.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium EDTA).
<b>Acute Effects on Humans</b>	
Eyes	Corrosive to eyes.
Skin	Skin irritant. May cause redness or swelling. Prolonged or repeated contact may cause dermatitis.
Inhalation	Vapors may be irritating to mucous membranes in the nose, throat, and lungs.
Ingestion	Irritating to the mouth, throat, and gastrointestinal system. Large doses may cause vomiting and diarrhea.
Chronic Effects on Humans	Repeated skin exposure can produce local skin destruction, or dermatitis.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.

Section 12. Ecolog	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 o Biodegradation	f Not available.				
Special Remarks on the Products of Biodegradation	No additional remark.				

Section 13. Disposal Considerations				
Waste Information	Any method in accordance with applicable laws.			
Waste Stream	Not available.			

## DOT (U.S.A) (Pictograms) TDG Classification Not controlled under TDG (Canada). PIN UN. Proper Shipping Not applicable.

PIN UN, Proper Shipping Not applicable. Name, PG Maritime Transportation Not available.

**Special Provisions for** 

Transport

Not applicable.

Section 15. Other Regulatory Information and Pictograms						
WHMIS (Classification)	D-2B		<b>(</b> T)			
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: Irritating substance.				
	USA Regulatory Lists					
		SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Potassium Hydroxide: immediate health hazard				
	DSD (EEC)					
	International Regulations Lists	No products were found.				
Hazardous Material Information System (U.S.A.)	Health Flammability Physical Hazard	1 National Fire 0 Protection 0 Association (U.S.A.)	Health 1 0 Instability			
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.						

Validated by CRushton on 8/22/2005.		Verified by CRushton.	
		Printed 8/22/2005.	
	D. G. d.		
<b>Information Contact</b>	Betco Corporation 1001 Brown Avenue		
	Toledo, Ohio 43607		

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

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.

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