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1. PRODUCT AND COMPANY IDENTIFICATION					
Product Code: Product Name: Company Name:	5300 TONY'S HEAVY DUTY DEGREASER KIRBY CHEMICAL & RESTAURANT SUPPLY 809 S. EASTMAN RD. LONGVIEW, TX 75602	Phone Number: (903)757-2723 (800)255-3924			
Emergency Contact: Intended Use:	CHEM-TEL, INC. DEGREASER				

2. HAZARDS IDENTIFICATION

Acute Toxicity: Oral, Category 4 Skin Corrosion/Irritation, Category 1A Acute Toxicity: Skin, Category 4 Serious Eye Damage/Eye Irritation, Category 2A Acute Toxicity: Inhalation, Category 4



GHS Signal Word: GHS Hazard Phrases:	Danger H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H312 - Harmful in contact with skin. H319 - Causes serious eye irritation. H332 - Harmful if inhaled.	
GHS Precaution Phrases:	 P264 - Wash hands thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face prote P271 - Use only outdoors or in a well-ventilated area. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. 	ction.
GHS Response Phrases:	 P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physicia unwell. P330 - Rinse mouth. P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all conclothing. Rinse skin with water/shower. P363 - Wash contaminated clothing before reuse. P305+351+338 - IF IN EYES: Rinse cautiously with water for several minute contact lenses, if present and easy to do. Continue rinsing. P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a promotive for breathing. P310 - Immediately call a POISON CENTER/doctor/ P321 - Specific treatment see on this label. P302+352 - IF ON SKIN: Wash with plenty of soap and water. P312 - Call a POISON CENTER/doctor/ if you feel unwell. P322 - Specific measures see on this label. P337+313 - If eye irritation persists, get medical advice/attention. 	ntaminated tes. Remove
GHS Storage and Disposal Phrases:	P501 - Dispose of contents/container to P405 - Store locked up.	
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Hazard Rating System:	HEALTH2FLAMMABILITY0PHYSICAL1PPEB					
Potential Health Effects (Acute and Chronic):		Prolonged or repeated skin contact may cause dermatitis.				
	Effects may be delayed.					
Inhalation:	respiratory tract. Harmful i narcotic effects in high cor cause central nervous sys to chemical pneumonitis a	ructive to the tissue of the mucous membranes and upper f inhaled. May cause respiratory tract irritation. May cause incentration. May cause lung damage. May cause anemia. May stem effects such as nausea and headache. Irritation may lead and pulmonary edema. Causes severe irritation of upper hing, burns, breathing difficulty, and possible coma. Causes biratory tract.				
Skin Contact:	Causes skin burns. Causes skin irritation. Substance is rapidly absorbed through the skin. Causes symptoms similar to those of inhalation. Skin sensitization testing with human volunteers produced negative results. A skin notation is not recommended b ACGIH, based on estimates from physiologically based pharmacokinetic models wh indicate that, even in worst-case dermal-exposure scenarios, 2-butoxyethanol is not absorbed in amounts sufficient to cause red blood cell hemolysis in humans. May caskin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.					
Eye Contact:	Causes eye burns. Cause conjunctivitis and corneal	s eye irritation. Causes redness and pain. May cause chemica damage.				
Ingestion:	cause gastrointestinal irrita gastrointestinal tract burns	uses burns. May cause irritation of the digestive tract. May ation with nausea, vomiting and diarrhea. Causes s. Causes severe pain, nausea, vomiting, diarrhea, and shock. permanent tissue destruction of the esophagus and digestive effects.				
3. (COMPOSITION/INFOR	RMATION ON INGREDIENTS				
CAS # Hazardous C	omponents (Chemical Name)	Concentration				
1310-58-3 Potassium hy	droxide	< 5.0 %				
111-76-2 Ethanol, 2-But	оху-	< 5.0 %				

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	4. FIRST AID MEASURES
Emergency and First Aid	
Procedures: In Case of Inhalation:	Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket
	mask equipped with a one-way valve or other proper respiratory medical device. If inhaled, remove to fresh air. Get medical aid.
In Case of Skin Contact:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician. Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
In Case of Eye Contact:	Continue rinsing eyes during transport to hospital. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Get medical aid immediately. In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes.
In Case of Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Get medical aid immediately. Call a poison control center. If victim is fully conscious, give a cupful of water.
Signs and Symptoms Of Exposure:	Burning sensation, Cough, Wheezing, Laryngitis, Shortness of breath.
Note to Physician:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Treat symptomatically and supportively.
	5. FIRE FIGHTING MEASURES
Flash Pt:	No data.
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Med	 ia:Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, dry chemical, carbon dioxide, or chemical foam. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Do NOT get water inside containers.
Fire Fighting Instructions:	Wear self contained breathing apparatus for fire fighting if necessary.
Flowmak la Dronowijas and	Further information. The product itself does not burn. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Will burn if involved in a fire. Combustible liquid and vapor. Use water spray to keep fire-exposed containers cool. Use water with caution and in flooding amounts. Contact with moisture or water may generate sufficient heat to ignite nearby combustible materials. Contact with metals may evolve flammable hydrogen gas.
Flammable Properties and Hazards:	No data available.



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		6. ACCIDEN	FAL RELEASE	MEASURES		
Steps To Be Material Is R Spilled:	Taken In Case eleased Or	Personal precauti Use personal prot Evacuate personr Environmental pre Do not let product	ective equipment. Av nel to safe areas. ecautions.	oid dust formation. Avoid brea	Ithing dust.	
		Pick up and arrange disposal without creating dust. Keep in suitable, closed container for disposal. Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then plat in suitable container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Remove sources of ignition. Use a spark-proof tool. Do not let this chemical enter the environment. Vacuum or sweep up material and place into a suitable disposal contain Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.				
		7. HAN	DLING AND S1	ORAGE		
Precautions	To Be Taken in	Avoid formation of	dust and aerosols.			
Handling:		Provide appropriate exhaust ventilation at places where dust is formed. Use spark-proc tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from heat, sparks and flame. Do not ingest or inhale. Use only in a chemical fume hood. Wash thoroughly after handling. Do not allow water to get into the container because of violent reaction. Minimize dust generation and accumulation. Keep container tightly closed. Avoid ingestion and inhalation. Discard contaminated shoes. Use only w adequate ventilation.				
Precautions Storing:	To Be Taken in	cool, dry place. Ste area away from in Keep away from a	ore in a tightly closed compatible substance cids. Store protected	nd well-ventilated place. Hygro container. Store in a cool, dry es. Keep away from metals. Co from moisture. Containers mu tassium carbonate by the CO	y, well-ventilated orrosives area. Ist be tightly closed	
	8. EXP	OSURE CON	TROLS/PERS	ONAL PROTECTION		
CAS #	Partial Chemical		OSHA TWA	ACGIH TWA	Other Limits	
1310-58-3	Potassium hydrox		No data.	CEIL: 2 mg/m3	No data.	
111-76-2	Ethanol, 2-Butoxy	-	PEL: 50 ppm	TLV: 20 ppm	No data.	
Respiratory Equipment (Specify Type):Use respirators and components tested and approved under appropriate govern standards such as NIOSH (US) or CEN (EU). Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritat other symptoms are experienced. A respiratory protection program that meets C 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 followed whenever workplace conditions warrant respirator use.			r European d or if irritation or lat meets OSHA's			
Eye Protecti	on:	safety goggles as	described by OSHA's	ppropriate protective eyeglass s eye and face protection regu S. Wear chemical splash gogg	lations in 29 CFR	
Protective G		-		protective gloves to prevent sk		
	ctive Clothing:		-	e amount and concentration c	f the dangerous	
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	substance at the work place. Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[]Gas	[X]Liquid	1] Solid	
			ا بنط	100110	
Appearance and Odor:		ce: purple. Liqu	ua.		
	Odor: Frag	grant odor.			
Melting Point:	No data.				
Boiling Point:	No data.				
Autoignition Pt:	No data.				
Flash Pt:	No data.				
Explosive Limits:	LEL: No d	lata.			UEL: No data.
Specific Gravity (Water = 1):	1.06				
Vapor Pressure (vs. Air or	No data.				
mm Hg):					
Vapor Density (vs. Air = 1):	No data.				
Evaporation Rate:	No data.				
Solubility in Water:	YES				
pH:	12.5				
Percent Volatile:	No data.				

10. STABILITY AND REACTIVITY

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	No data available. Incompatible materials, ignition sources, Moisture, contact with water. Exposure to moist air or water.
Incompatibility - Materials To Avoid:	Strong acids, Lead. Tin/tin oxides, Zinc, Strong oxidizing agents, Aluminum, Water, Metals. acids, gelatin, nitromethane, leather, flammable liquids, organic halogens.
Hazardous Decomposition O Byproducts:	r formed under fire conditions. Potassium oxides, silicon oxides. Carbon monoxide, Toxic fumes of Potassium oxide.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.



Tevie elegie el	Informations	11. TOXICOLOGICAL					
Ioxicologica	Information:	Epidemiology: No information found. Teratogenicity: No information available. Reproductive Effects: Mutagenicity:					
		o	•		•	ity:	
		Neurotoxicity: See actual entry i		implete inform	nation.		
CAS# 1310-58-3: Potassium hydroxide: Acute toxicity, LDLO, Oral, Species: Rabbit, 500.0 MG/KG.							
Irritation or Corrosion:			cies: Rabbit, 500	0.0 MG/KG.			
		Results: Effects on Newbern, Stillbirth					
		Effects on Newborn: Stillbirth.	aday (# fatuaaa	por littor: mo	oourod oftor k	virth)	
		Effects on Newborn: Live birth in Effects on Newborn: Weaning o	•	•		,	
		day {4)}.		(e.g., # alive	at wearing p	bei # allve at	
			v fuer Experime	ntelle Pathol	Pathologie und Pharmakologie		
		 Naunyn-Schmiedeberg's Archiv fuer Experimentelle Pathologie und Pharmakologie., Vol/p/yr: 184,587, 1937 					
		Standard Draize Test, Skin, Spe	ecies: Rabbit, 50	00.0 MG, 24 I	Η.		
		Results:					
		Behavioral: Somnolence (general depressed activity).					
		Vascular: BP lowering not charactertized in autonomic section.					
		Skin and Appendages: Skin: After topical exposure: Corrosive. - "Sbornik Vysledku Toxixologickeho Vysetreni Latek A Pripravku,", Institut Pro Vychovu					
		Vedoucicn P, Marhold, J.V., Ins	•			•	
		Prumyclu Praha Czechoslovakia	•		TIACOVIIKU	onemickeno,	
		Skin - rabbit - Severe skin irritati					
CAS #	Hazardous Cor	nponents (Chemical Name)	NTP	IARC	ACGIH	OSHA	
1310-58-3	Potassium hydr	roxide	n.a.	n.a.	n.a.	n.a.	

12. ECOLOGICAL INFORMATION

General Ecological Information:	Environmental: TERRESTRIAL FATE: Based on a recommended classification sch an estimated Koc value of 67,, determined from an experimental log Kow and a recommended regression-derived equation, indicates that ethylene glycol mono-n-b ether is expected to have high mobility in soil. An estimated BCF value of 2.5 was calculated for ethylene glycol mono-n-butyl ether, using an experimental log Kow of and a recommended regression-derived equation. According to a recommended classification scheme, this BCF value suggests that bioconcentration in aquatic organisms is low. Physical: No information found. Other: An estimated BCF value of 2.5,, from an experimental log Kow, suggests that ethylene glycol mono-n-butyl ether bioconcentration in aquatic organisms will be low according to a recommended classification scheme.	0.83 t
Results of PBT and vPvB assessment:	CAS# 1310-58-3: Potassium hydroxide: LC50, Western Mosquitofish (Gambusia affinis), adult(s), 125000. UG/L, 24 H, Mort Water temperature: 22.00 C (71.6 F) - 24.00 C (75.2 F) C, pH: 9.00; Toxicity to Gambusia affinis of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Gr and R. Lasater, 1957	
Persistence and Degradability:	No data available.	
Bioaccumulative Potential:	No data available.	
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Mobility in Soil:	No data available.		
	13. DISPOSAL CO	ONSIDERATIONS	
Waste Disposal Method:	Product. Observe all federal, state, ar	nd local environmental regulations. service to dispose of this material.	
	discarded chemical is classif classification determination a		A guidelines for the ditionally, waste
	14. TRANSPOR	INFORMATION	
LAND TRANSPORT (US DOT):		
		D CONTAINING POTASSIUM HY	/DROXIDE.
DOT Hazard Class: UN/NA Number:	CORRO	DSIVE Packing Group:	Ш
LAND TRANSPORT (Consd			
LAND TRANSPORT (Canadi TDG Shipping Name:	•	DE, SOLID. No information availa	ble.
	15. REGULATOR	Y INFORMATION	
This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:	[] Yes [X] No Chronic (del	ayed) Health Hazard ease of Pressure Hazard	
CAS # Hazardous Com	ponents (Chemical Name)	Other US EPA or State Lists	
1310-58-3 Potassium hydro:	xide	TSCA: Inventory	
111-76-2 Ethanol, 2-Butox	ky-	TSCA: Inventory	
	16. OTHER IN	FORMATION	
Revision Date:	10/31/2013		
Additional Information About This Product:	No data available.		
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	consulted for specific require		
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