# **Material Safety Data Sheet**

# **K KLOR**

## 12.5 Potassium Hypochlorite

**Emergency 24 Hour Telephone:** 

**INFOTRAC 800-535-5053** 

**Corporate Office Headquarter:** 

**Environmental Compliance Resources LLC** 

1903 South Greeley Highway #307

Cheyenne, Wyoming 82007

T: 307-256-5044

F: 888-482-5044

		Section 1: CHEMICAL PRODUCT AN	D COMPANY IDENTIFACATION	
1.1	Product Identification:			
	1.1.1	Product Name :	K Klor	
	1.1.2	CAS# (Chemical Abstracts Service):	7778-66-7	
	1.1.3	RTECS (Registry of Toxic Effects of	Not Available	
		Chemical Substances):		
	1.1.4	EINECS (European Inventory of	231-909-2	
		<b>Existing Commercial Substances):</b>		
	1.1.5	EPA PC Code:	129053 Potash Bleach, Hypochlorous acid, Potassium salt. Potassium Hypochlorite	
	1.1.6	Synonym:		
	1.1.7	Chemical Name:		
	1.1.8	Chemical Formula:	KOCI	
1.2	Recomm	ended Uses:	Sanitizer of swimming pool and spa water.	
1.3	Company	Identification:	Environmental Compliance Resources LLC	
			1903 South Greeley Highway No. 307	
			Cheyenne, Wyoming 82007	
1.4	Emergency Telephone Number:		INFOTRAC: 800-535-5053	
1.5	Non-Eme	rgency Assistance:	T: 307-256-5044	
			F: 888-482-5044	

	Section 2: EMERGENCY OVERVIEW and HAZARD IDENTIFICATION					
2.1 Emergency			DANG	DANGER CORROSIVE. Causes eye damage. Harmful if swallowed or absorbed		
	Over vie	ew.	through skin. Do not get in eyes, on, skin, or on clothing. Wear safety glasses or			
			goggle	es or face shield, protective clothing, and rubber gloves when handling this		
			produ	ct. Wash thoroughly with soap and water after handling and before eating,		
			drinki	ng, chewing gum, using tobacco, or using the toilet. Remove and wash		
			contai	minated clothing before reuse. Avoid breathing vapors. Vacate poorly		
			ventila	ated areas as soon as possible. Do not return until strong odors have		
			dissipated.			
2.2	Routes	of Entry:	Eyes,	skin absorption, inhalation, ingestion.		
2.3	Short Te	rm Exposure				
	2.3.1	Eyes:		Causes serious eye irritation. Blurred vision. May cause impairment of vision		
				and corneal damage.		
	2.3.2	Skin:		May cause skin irritation and/or dermatitis. Prolonged skin exposure may		
			cause destruction of the dermis with impairment of the skin to regenerate at			

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			site of contact.			
	2.3.3	Inhalation:	Accidental mixing with other chemicals or decomposition of sodium hypochlorite vapor is irritating to the respiratory system.			
	2.3.4 Ingestion:		Ingestion of high concentrations may cause injuries to gastrointestinal tract,			
		liver, kidneys and central nervous systems. Ingestion may cause				
			gastrointestinal irritation, nausea, vomiting and diarrhea.			
	2.3.5	Aggravated Medical Conditions:	Asthma, heart disease, respiratory disorders.			
2.4	.4 Long Term Exposure:		Based on the toxicity profile and exposure scenarios for sodium hypochlorite			
			(as potassium hypochlorite is very similar to sodium hypochlorite), EPA			
			concludes that the risks from chronic and sub-chronic exposure to low levels			
			of this pesticide are minimal and without consequence to human health.			

	SECTION 3	: COMPOSITION INFORM	ATION ON INGREDIENT	rs
	Ingredient	Synonyms	CAS No.	Approx. Wt%
3.1	Potassium Hypochlorite	Bleach	7778-66-7	12.5%
3.2	Potassium Hydroxide	Caustic Potash	1310-58-3	0.5%

		SECTION 4: FIRST AID MEASURE				
4.1	IF IN EYES	*Hold eye open and rinse slowly and gently with water for 15-20 minutes.				
	.6	*Remove contact lenses, if present, after the first 5 minutes, then continue				
		rinsing eye				
		*Call a poison control center or doctor for treatment advice.				
4.2	IF ON SKIN OR CLOTHING	*Take off contaminated clothing.				
		*Rinse skin immediately with plenty of water for 15-20 minutes.				
		*Call poison control center or doctor for treatment advice.				
4.3	IF INHALED	*Move person to fresh air.				
		*If person is not breathing, call 911 or an ambulance, and then give artificial				
		respiration, preferably mouth-to-mouth if possible.				
		*Call poison control center or doctor for further treatment advice.				
4.4	IF SWALLOWED	*Call poison control center or doctor immediately for treatment advice.				
		*Have person sip a glass of water if able to swallow.				
		*Do not induce vomiting unless told to do so by poison control center or				
		doctor.				
		*Do not give anything by mouth to an unconscious person.				
	HOT LINE NUMBER					
	Have the product container with you when calling the poison control center or doctor, or going for treatment.					
You may also contact 1-800-535-5053 for emergency medical treatment information.						
	NOTE TO PHYSICIAN					
Prob	Probable mucosal damage may contraindicate the use of gastric lavage.					

SECTION 5: FIRE FIGHTING MEASURES						
5.1	5.1 Flash Point: Not applicable					
5.2	2 Flammability: Nonflammable and noncombustible					
5.3	Auto-Ignition Temperature:	Not applicable				
5.4	4 Products of Combustion: Not pertinent					
5.5	Fire Hazards:	May decompose, generating irritating chlorine gas.				
5.6 Explosion Hazards: Not explosive						
5.7	7 Fire Fighting Media and Instructions:					

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	5.7.1 Extinguishing Medina		Using extinguishing measures appropriate to local
			circumstances and the surrounding environment.
	5.7.2	Small Fires:	Use carbon dioxide, or water spray.
	5.7.3	Large Fires:	Use flooding quantities of water as fog.
5.8	Specia	Remarks on Fire Hazards:	Do not use Mono Ammonium Phosphate (MAP) fire
			extinguishers. Such use may cause explosion with release of
			toxic gases.

		SECTION 6: ACCIDENTAL RELEASE MEASURES
6.1	Small Spill:	In case of spill, flood area where spill has occurred with large quantities of water. With permission from local authorizes, diluted product may be flushed to a sanitary sewer. Product may also be absorbed with sand or diatomaceous earth. Absorbed products must be disposed of in accordance with applicable Federal, State, and/or local regulations.
6.2	Large Spill:	If possible without personal risk, stop leak. Try to prevent the materials from entering drains, waterways, pr sewers, absorb with sand, diatomaceous earth or similar products and dispose of in accordance with local regulations.

		SECTION 7: HANDLING AND STORAGE
7.1	Handling:	<ul> <li>Avoid contact with skin or eyes.</li> <li>Do not ingest</li> <li>Avoid inhalation of vapor or mist.</li> <li>Wear protective equipment if necessary.</li> <li>Mix only with water in accordance with label directions.</li> <li>Mixing this product with ammonia, acids, detergents, etc or with organic materials, e.g. feces, urine, etc. will release chlorine gas, which is irritating to eyes, lungs, and mucous membranes.</li> </ul>
7.2	Hygiene Measures:	<ul> <li>Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. While handling this product, avoid eating drinking, or smoking.</li> </ul>
7.3	Storage:	<ul> <li>Do not freeze</li> <li>Store in a cool, shaded outdoor area.</li> <li>Inside storage should be in a cool, dry, well-ventilated area.</li> <li>To maintain hypochlorite strength, do not store in direct or heated indoor areas.</li> <li>Keep in original vented container.</li> <li>Keep container closed when not in use.</li> <li>Do not store adjacent to chemicals that may react if spillage occurs.</li> <li>If closed containers become heated, vent to release decomposition products (mainly oxygen under normal decomposition).</li> </ul>

		SECTION 8: I	EXPOSURE CONTROLS/ PERSONAL PROTECTION			
8.1	Engineering Controls:		Local exhaust ventilation to maintain levels below STEL (Short Term Exposure Limit) of 1 ppm as chlorine.			
8.2	3.2 Personal Protection:					
	8.2.1 Eye/face Protection:		Wear safety glasses, goggles or face shield to prevent eye contact.			
	8.2.2	Skin Protection:	Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Butyl rubber, Neoprene, or nitrile gloves should be worn when handling this material. Wear chemical resistant clothing such as a rubber apron when splashing may occur. Rinse immediately if skin is contaminated. Remove contaminated clothing promptly and wash before reuse. Clean			

			protective equip	ome	nt before reuse.	
	8.2.3	Respiratory Protection:  Other Safety	exceeded (see be equipment appressed piece equipe face shield and commerce exposure full face positive	elov opr ome cher lim e pre	por or mist. When airborne exposure w), use NIOSH approved respiratory in its to the material and/or its componities are to the material and/or its componities recommended and, if used, replacted goggles. For emergency and other its may be significantly exceeded, use essure, self-contained breathing appead emergency shower should be close	protection onents. Full aces need for ner conditions an approved aratus.
2000 000 000	L	Protection:				
8.3 Ex	posure L			Ш,	Potassium Hypochlorite	Chlorine*
	8.3.1	AIHA (American Industrial Hygiene Association) WEEL (Workplace Environmental Exposure Level guides) 203		LO	2mg/m <sup>3</sup> : 15 minute. (Short Term time Weighted average)	Not established
	8.3.2	ACGIH (American Conference of Governmental Industrial Hygiene TWA (Time Weighted Average)			Not established	0.5ppm
	8.3.3	ACGIH STEL (Short Term Exposure Limit)			Not established	1 ppm as
	8.3.4	OSHA PEL (Permissible E	xposure Limit)		Not established	0.5 ppm
	8.3.5	ACGIH Ceiling			Not established	Not established
	8.3.7	OSHA STEL (Short Term	Exposure Limit)		Not established	1ppm as Cl <sub>2</sub>
	8.3.8	NIOSH (15 min. ceiling)		Not	established	0.5 ppm
	*Chlorine is unlikely to be present as a decomposition product, but may be present in incidents of accidental mixing with other chemicals.					

	SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES				
9.1	Physical State and Appearance:	Liquid with pale yellow color.			
9.2	Odor:	Bleach			
9.3	Odor threshold:	Not applicable			
9.4	pH (1% solution):	11.2-11.4			
9.5	Boiling Point:	Decomposes @103 °C (128 °F)			
9.6	Melting Point:	Not applicable			
9.7	Freezing Point:	-23.3 °C (-10 °F)			
9.8	Evaporating Rate(BuAc=1):	Not available			
9.9	Flammable Limits:	Not applicable			
9.10	Vapor Pressure:	12.1 mm Hg @20 °C (68 °F)			
9.11	Vapor Density: (Air=1)	Not Applicable			
9.12	Relative Density or Specific Gravity(H <sub>2</sub> 0=1):	1.17g/mL or 10lb/gallon @20 °C(68 °F)			
9.13	Solubility in Water:	Mixes infinitely with water			
9.14	Partition Coefficient: n-octanol/ water	Not applicable			
9.15	Viscosity:	1.75-2.50 centipoises ( varies with temperature)			
9.16	Volatility:	Not applicable			
9.17	Molecular Weight:	90.6g/mole			
9.18	Water/ Oil Distribution	Not applicable			

	coefficient:	
9.19	Dispersion Properties:	Not applicable

		SECTION 10: STABILITY AND REACTIVITY
10.1	STABILITY:	Stable under normal conditions of storage, handling, and use.
10.2	INSTABILITY/DECOMPOSIT ON TEMPERATURE:	All bleach decomposition is dependent on temperature. For any given temperature, the higher the strength, the faster it decomposes. In summary, for every 10 °C increase in storage temperature, potassium hypochlorite (as its similarity with sodium hypochlorite) will decompose at an increased rate factor of approximately 3.5
10.3	COMDITIONS OF INSTABILITY:	High heat, ultraviolet light.
10.4	INCOMPATIBILITY WITH VARIOUS SUBSTANCES:	Oxidizing agents, acids, nitrogen containing organics, metals, iron, copper, nickel, cobalt, organic materials, and ammonia.
10.5	CORROSIVITY:	Corrosive to eyes and skin.
10.6	SPECIAL REMARKS ON REACTIVITY:	Rate of decomposition increases with heat.  May develop chlorine if mixed with acidic solutions.
10.7	SPECIAL REMARKS ON CORROSIVITY:	None.
10.8	HAZARDOUS POLYMERIZATION:	Will not occur.

	SECTION 11: TOXICOLOGICAL INFORMATION				
11.1	Routes of Entry:		Eyes, skin, ingestion, dermal absorption		
11.2	Acute Toxicity:		Ł		
	11.2.1	Oral Toxicity (LD50):	3-5g/kg (rat)		
	11.2.2	Dermal Toxicity	>10 g/kg (rabbit)		
		(LD <sub>50</sub> )			
	11.2.3	Primary Eye	Corrosive		
		Irritation:			
	11.2.4	Primary Skin	Corrosive		
		Irritation :			
	11.2.5	Inhalation Toxicity	No data Available		
		(LC <sub>50</sub> )			
11.3	Chronic Effects(Human Risk		Based on the toxicity profile and exposure scenarios for potassium		
	Assessm	nent):	hypochlorite		
			(as its similarity with sodium and calcium hypochlorite's), EPA		
			concludes that the risks from chronic and sub-chronic exposure to low		
			levels of these pesticides are minimal and without consequence to		
			human health.		
11.4	Toleran	ce Requirement:	Exempt (EPA document "Index to Pesticides Chemical Names, Part 180		
			Tolerance Information, and Food and Feed Commodities( by		
			commodity)" July 2010		

				SECTION 12: ECOLOGICAL INFORMATION	
12.1	ECOTO)	OXICITY: All toxicity data were waived based on this chemicals similarity with sodium and			
		calcium hypochlorites (EPA Pesticides Fact Sheet). Sodium hypochlorite is low in			
		toxicity to avian wildlife, but it is highly toxic to freshwater fish and invertebrates			
	12.1.1	12.1.1 Freshwater fish		Atlantic Herring (clupea harengus)	
	toxicity:			LC <sub>50</sub> =0.033-0.097 mg/l/96 hr, flow through bioassay(pH:8)	
	Shiner Perch (cymatogaster aggregata)				

	т			
			LC <sub>50</sub> =0.045-0.098 mg/l/96 hr, flow through bioassay(pH:8)	
			Three spine stickleback (gasterosteus aculeatus)	
			LC <sub>50</sub> =0.141-0.193mg/l/96 hr, flow through bioassay(pH:8)	
			Pink salmon (oncorhynchus gorbuscha)	
			LC <sub>50</sub> =0.023-0.052mg/l/96 hr, flow through bioassay(pH:8)	
			Coho salmon (oncorhynchus kisutch)	
			LC <sub>50</sub> =0.026-0.038mg/l/96 hr, flow through bioassay(pH:8)	
			English sole (parophrys vetulus)	
			LC <sub>50</sub> =0.044-0.144mg/l/96 hr, flow through bioassay(pH:8)	
			Fat head minnow (pimephales promelas)	
			LC <sub>50</sub> =0.22-0.62mg/l/96 hr, flow through bioassay(pH:7)	
	12.1.2	Invertebrate	Water flea (ceriodaphnia sp.0)	
		toxicity:	LC <sub>50</sub> =0.006mg/l/24 hr	
		•	Water flea (daphnia magna)	
			LC <sub>50</sub> =0.07-0.7 mg/I/24 hr	
			Water flea(daphnia magna)	
			LC <sub>50</sub> =2.1mg/l/ 96 hr	
			Fresh water shrimp (gammarus fasciatus)	
			LC50=0.4mg/l /96 hr	
			No common name (nitocra spinipes)	
			LC <sub>50</sub> =0.40mg/l/96 hr	
			Grass shrimp (palaemonetes pugio)	
			LC <sub>50</sub> =0.52mg/l/96 hr	
12.2	Persiste	nce:	No data available	
12.3	Enviorn	mental fate:	In fresh water, potassium hypochlorite (as its similarity with sodium and	
			calcium hypochlorites) breaks down rapidly into non-toxic compounds	
			when exposed to sunlight. In seawater, chlorine levels decline rapidly;	
	XI		however hypobromite (which is acutely toxic to aquatic organisms is	
			sufficiently mitigated by precautionary labeling and national pollutant	
			discharge elimination system(NPDES) permit requirements.	
12.4	Bioconcentration:		This material is not expected to bioconcentrate in organisms	
12.5			This material is inorganic and not subject to biodegration	

#### Section 13: DISPOSAL CONSIDERATIONS:

Do not contaminate food or feed by storage, disposal, or cleaning of equipment. Product or rinsates that cannot be used should be diluted with water before disposal in a sanitary sewer. This product cab be neutralized with sodium bisulfate, sodium thiosulfate, sodium sulfate. Do not confuse these products with sulfates or bisulfates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with requirements of a national pollutant discharge elimination system(NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not contaminate water containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your state water board or regional office of EPA. Dispose of in accordance with all the applicable local, county, state, federal regulations.

	SECTION 14: TRANSPORT INFORMATION				
14.1	Inside containers 1.3 gallons or less.				
	14.1.1	DOT Classification:	Limited Quantity		
	14.1.2	DOT Hazard Class:	Limited Quantity		
	14.1.3	Marking:	Limited Quantity		
	14.1.4	Marine Pollutant:	Not listed in Appendix B of the Hazardous Material Table.		
	14.1.5	Deposit Container	RESIDUE: LAST CONTAINED LIMITED QUANTITY.		
		Returns:			
14.2	Inside containers or single containers exceeding 1.3 gallons.				
	14.2.1	DOT Classification:	Hypochlorite Solutions.		
	14.2.2	DOT Hazard Class:	8, UN1791, P.G. III.		
	14.2.3	Label:	Corrosive 8.		
	14.2.4	<b>Deposit Container</b>	RESIDUE: LAST CONTAINED, UN 1791, HYPOCHLORITE SOLUTION		
		Returns:	8, PGIII.		
14.3	Reportable	Quantity (RQ):	100 lb (45.4 kg) or 80 gallons (based on 12.5% active ingredient)		
14.4	Materials of Trade (MOT) Exceptions. Under certain conditions, spa and pool maintenance chemicals				

Materials of Trade (MOT) Exceptions. Under certain conditions, spa and pool maintenance chemicals may be loaded into pool service and builders trucks and shipped as MOT, not subject to DOT regulations. A MOT means a hazardous material other than a hazardous waste, that is carried on a motor vehicle – by a private motor carrier in direct support of his/her principal business that is other than transportation by motor vehicle.

To qualify as a MOT, the hazardous material must fit into any one of the following classes or divisions (but not limited to) Corrosive Materials (Class 8) or Limited Quantity.

### **Quantity Limit for MOT:**

- For Corrosive Materials (Class 8) that belongs to Packing Group II or III, or is a Limited Quantity

   the maximum amount of material in each package is 30 kg (66 lbs) or solids, or 30 L (8 gal) for liquids.
- The aggregate gross weight of all MOTs on a motor vehicle may not exceed 200 kg (440 lbs). Packaging requirements:
  - Packagings must be leak tight for liquids and gasses, sift proof for solids, and be securely closed, secured against shifting, and protected against damage.
  - Each material must be packaged in the manufacturer's original packaging or a packaging of equal or greater strength and integrity.
  - Outer packagings are not required for receptacles (e.g. cans and bottles) that are secured against shifting in cages, carts, bins, boxes or compartments.

#### **Hazard Communications:**

- A non-bulk packaging other than a cylinder (including a receptacle transported without an outer packaging) must be marked with a common name or proper shipping name it identify the material it contains, including the letters "RQ" if it contains a reportable quantity of a hazardous substance.
- The operator of a motor vehicle that contains a material of trade must be informed of the
  presence of the hazardous material (including whether the package contains a reportable
  quantity) and must be informed of the requirements of 49 CFR § 173.6.

Other exceptions: A MOT may be transported on a motor vehicle under the provisions of 49 CFR § 173.6 (e) with other hazardous materials without affecting its eligibility for these exceptions. The MOTs regulations do not require:

- Shipping papers;
- Emergency response information;
- Placarding; or
- Formal training or retention of training records.

This information is not intended to convey all specific regulatory or operational requirements / information relation to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

	<del></del>		EGULATORY INFORMATION				
15.1	U.S. Regu	lations:					
	15.1.1	OSHA HAZCOM (Hazard	This material is considered hazardou	us under the HAZCOM			
		Communication)	Standard (29 CFR § 1910.1200)				
	15.1.2	OSHA PSM (Process Safety	Not regulated under PSM Standard	(29 CFR §1910.119)			
		Management)					
	15.1.3	EPA FIFRA (Federal	EPA Reg. No.: 63838-10-10897				
		Insecticide, Fungicide and	(Registered Pesticide under 40 CFR §	§ 152.10)			
		Rodenticide Act)					
	15.1.4	EPA TSCA (Toxic	All components are listed or exemp	t.			
		Substance Control Act) TSCA 12(b): This product is not subject to export					
	15.1.5	EPA CERCLA	Reportable Quantity (RQ): 45.5 kg (1	LOO lbs) or 80 gallons			
		(Comprehensive	(based on 12.5% active ingredient).				
		Environmental Response,					
		Compensation, and					
		Liability Act)					
	15.1.6	EPA RMP (Risk	Not listed. (40 CFR § 68.130)				
		Management Plan)					
15.2	State of C	alifornia Regulations:					
	15.2.1	Safe Drinking Water and Tox	xic Enforcement Act of 1986 [Proposit	ion 65, California only]:			
		Small quantities - less than	100 ppm (parts per million) – of impu	rities, including			
		bromates, may be found in a	all chlorinating products, including thi	s product. Bromates are			
		bromates, may be found in all chlorinating products, including this product. Bromates derived from bromides, which are present in sodium chloride (table salt) from which					
	chlorine is manufactured. Additional small quantities of bromates may be gene during the disinfection process. Bromates are known by the State of California cancer when administered by the oral (drinking or ingesting) route. Read and f directions at use dilution will not exceed this level.						
		Potassium bromate NSRLs (No Significant Risk Levels) for Proposition 65 carcinoge					
	regulation is 1 microgram per day (µ/day). These levels provide "safe harbor" for						
		subject to the Act, and do not preclude the use of alternative levels that can be					
		demonstrated by their users as being scientifically valid.					
	This warning is provided pursuant to Proposition 65, Chapter 6.6 of the Californi and Safety Code, which requires the Government of California to publish a list of						
		"Known to the state to cause cancer or reproductive toxicity." This list is compiled in					
		accordance with the procedures established under the proposition, and can be obtained					
		on the internet from Californ	nia's Office of Environmental Health H	lazard Assessment at			
		http://www.oehha.ca.gov.					
	15.2.2	CDPR (California Departmen	t of Pesticide Regulation)	Registration No:			
				63838-10-10897-AA			
	15.2.3	Cal ARP (California Accidental Release Prevention Program) Not regulated					
15.3	Canada R	egulations:					
	15.3.1	WHMIS (Workplace	No information found.				
		Hazardous Materials					
		Information System)					
	15.3.2	DSL (Domestic Substances	All components of this product are o	on the DSL.			
		List)	,				
15.4	Internation	nal Inventory:					

	Substance)	
15.4.	2 KECI (Korean Existing Chemical	On inventory or in compliance with inventory.
	Inventory)	
15.4.	3 PICCS (Philippine Inventory of	On inventory or in compliance with inventory.
	Chemicals and Chemical Substance)	
15.4.	4 IECSC (Inventory of Existing Chemical	On inventory or in compliance with inventory.
	Substances in China)	
15.4.	NZIoC (New Zealand Inventory of	On inventory or in compliance with inventory.
	Chemicals)	

		SECTION 16: OTHER INF	ORMATION		
16.1	HMIS III	(Hazardous Materials Identification System)			
	16.1.1	HEALTH	2		
	16.1.2	FLAMMABILITY	0		
	16.1.3	PHYSICAL HAZARD	1		
	16.1.4	PERSONAL PROTECTION	See Section 8.		
16.2	NFPA 74	0 (National Fire Protection Association):			
	16.2.1	HEALTH	2		
	16.2.2	FLAMMABILITY	0		
	16.2.3	INSTABILITY	0		
	16.2.4	SPECIAL	Corrosive		
16.3	INTERNA	ATIONAL FIRE CODE / International Building	Irritant.		
	Code:				
16.4	ANSI (Ar	merican National Institute):			
	16.4.1	Hazardous Industrial Chemicals – MSDS –	Complies with ANSI Z40	0.1 – 2004	
		Preparation:			
2	16.4.2	Hazardous Industrial Chemicals –	Complies with ANSI Z129.1 – 2006		
		Precautionary Labeling:			
16.5	GHS (Glo	GHS (Globally Harmonized System):			
	16.5.1	Classification	Skin Corrosion / Irritant	(Category 1).	
			Serious Eye damage / Eye Irritation (Category 1)		
	16.5.2	Symbol:			
	16.5.3	Signal Word:	Danger.		
	16.5.4 Hazard Statement:		Causes severe skin burns and eye damage.		

Note: The information contained herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge and belief. NO WARRANTY OR GUARANTEE, express or implied, is made regarding the product performance, product stability, ar as to any other condition of use, handling, transportation, and storage may involve additional safety and/or performance considerations. Our technical personnel will be happy to respond to questions regarding safe handling, storage, transportation, and use procedures. The safe handling, storage, transportation. And use procedures remain the sole responsibility of the customer. No suggestions for handling, storage, transportation, or use are intended as or to be construed as recommendations which may infringe on any existing patents or violate any Federal, State, and/or local law and/or regulation, ordinance, standard, etc. This Safety Data Sheet has been prepared by ECR, LLC staff from test reports and other information available in the public domain.