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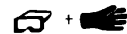
CHLORAT HF

HAZARD RATING
HAZARD CODE



4- SEVERE
3- SERIOUS
2- MODERATE
1- SLIGHT
0- MINIMAL

FIRE HAZARD (0)
HEALTH HAZARD (4)
REACTIVITY (2)
PERSONAL PROTECTION (R)



SECTION I: PRODUCT IDENTIFICATION			
TRADE NAME AND SYNONYMS	CHEMICAL FORMULA	MATERIAL USE	
CHLORAT HF	Proprietary	Foaming chlorinated alkaline cleaner	
SECTION II: HAZARDOUS INGREDIENTS OF MATERIAL			
HAZARDOUS INGREDIENTS	APPROXIMATE CONCENTRATION (%)	CAS. NA OR UN NUMBERS	LD ₅₀ (SPECIFY SPECIES & ROUTE)
Potassium Hydroxide	5-15	1310-58-3	365 mg/kg (Oral-Rat)
Sodium Hypochlorite	1-3 %	7681-52-9	8 mg/Kg >
The other ingredients are not hazardous.			
SECTION III: PHYSICAL DATA OF MATERIAL			
PHYSICAL STATE	pH (1.0%)	ODOUR AND APPEARANCE	
Liquid	12.00±1.00	Chlorine- Clear Yellowish	
% VOLATILE (BY VOL.)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)	VAPOUR DENSITY (AIR-1)
N/AV	N/AV	N/AV	N/AV
EVAPORATION RATE	BOILING POINT (°C)	FREEZING POINT (°C)	SOLUBILITY IN WATER (20°C)
N/AV	N/AV	N/AV	Complete
N/A = Not Applicable		N/AV = Not Available	
SECTION IV: FIRE AND EXPLOSION HAZARD			
MEANS OF EXTINCTION	FLAMMABILITY NO		
Vaporised water, foam of carbon dioxide.	IF YES UNDER WHAT CONDITIONS? N/A		
HAZARDOUS COMBUSTION PRODUCTS	FLASH POINT (°C) AND METHOD N/A		
CO, CO ₂ products of combustion.	UPPER EXPLOSION LIMIT (% BY VOLUME) N/A		
SPECIAL PROCEDURES N/A	LOWER EXPLOSION LIMIT (% BY VOLUME) N/A		



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SECTION V: REACTIVITY DATA		
CHEMICAL STABILITY YES IF NO, UNDER WHAT CONDITIONS? N/A INCOMPATIBILITY TO OTHER SUBSTANCES YES IF SO, WHICH ONES? Acids and Ammonia.	REACTIVITY AND UNDER WHAT CONDITIONS? When in contact with acids and ammonia. HAZARDOUS DECOMPOSITION PRODUCTS This product decomposes at high temperature to generate oxydes of chlorine. CO, CO ₂ are also the products of decomposition .	
SECTION VI: TOXICOLOGICAL PROPERTIES		
ROUTE OF ENTRY Skin contact Eye contact Ingestion EFFECTS OF ACUTE EXPOSURE TO MATERIAL SKIN : Causes severe irritation. EYES: Causes severe irritation. INGESTION : May causes irritation, abdominal pain, diarrhea.	EXPOSURE LIMITS N.AV. CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY None	
SECTION VII: PREVENTIVE MESURES		
PERSONAL PROTECTIVE EQUIPMENT GLOVES (SPECIFY) Rubber EYES (SPECIFY) Safety goggles RESPIRATORY (SPECIFY) None OTHER (SPECIFY) None	ENGINEERING CONTROLS (E.G. VENTILATION, ENCLOSED PROCESS SPECIFY) N/A LEAKS AND SPILLS PROCEDURE Wash away with water. WASTE DISPOSAL Neutralize and then dispose according to local laws. HANDLING PROCEDURES AND EQUIPMENT N/A STORAGE REQUIREMENTS Steel or plastic. Store at 20°C to 30°C. Keep lid closed. SPECIAL SHIPPING INFORMATION Shipping temperature has to be between 20°C and 30°C.	
SECTION VIII: FIRST AID MEASURES		
SKIN: Flush skin with abundant water for 15 minutes. If irritation persists, seek medical attention. EYES: Flush eyes with abundant water for 15 minutes. If irritation persists, seek medical attention. INGESTION : Drink 3-4 glasses of water, do not induce vomiting. Consult physician.		
SECTION IX: EMERGENCY NUMBER		
PREPARED BY	PHONE NUMBER	DATE
Technical Department	Tel: 514-745-2597	March 11 2015
SECTION X: W.H.M.I.S. Classe(s) : E		
SHIPPING :	Corrosive liquids N.O.S. / Potassium hydroxide in solution Classe 8 (9.2) UN 1814 PG III	