



## MATERIAL SAFETY DATA SHEET / page 1

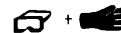
### REACTION 2000

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
Reaction 2000	Proprietary	Non foaming alkaline cleaner

#### SECTION II: HAZARDOUS INGREDIENTS OF MATERIAL

HAZARDOUS INGREDIENTS	APPROXIMATE CONCENTRATION (%)	CAS. NA OR UN NUMBERS	LD <sub>50</sub> (SPECIFY SPECIES & ROUTE)
Potassium Hydroxide	5-15	1310-58-3	365 mg/kg (Oral-Rat)

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	Mild- Colorless	
% VOLATILE (BY VOL.)	SPECIFIC GRAVITY	VAPOUR PRESSURE (MM)	VAPOUR DENSITY (AIR-1)
N/AV	1.220±0.050	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 Vaporised water, foam of carbon dioxide. HAZARDOUS COMBUSTION PRODUCTS CO, CO <sub>2</sub> products of combustion. SPECIAL PROCEDURES N/A	FLAMMABILITY NO IF YES UNDER WHAT CONDITIONS? N/A FLASH POINT (°C) AND METHOD N/A UPPER EXPLOSION LIMIT (% BY VOLUME) N/A LOWER EXPLOSION LIMIT (% BY VOLUME) N/A
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SECTION V: REACTIVITY DATA		
CHEMICAL STABILITY <b>YES</b> IF NO, UNDER WHAT CONDITIONS? <b>N/A</b> INCOMPATIBILITY TO OTHER SUBSTANCES <b>YES</b> IF SO, WHICH ONES? <b>Acids and Ammonia.</b>	REACTIVITY AND UNDER WHAT CONDITIONS? <b>When in contact with acids and ammonia.</b> HAZARDOUS DECOMPOSITION PRODUCTS <b>This product decomposes at high temperature to generate oxydes of chlorine.</b> <b>CO, CO<sub>2</sub> are also the products of decomposition .</b>	
SECTION VI: TOXICOLOGICAL PROPERTIES		
ROUTE OF ENTRY <b>Skin contact</b> <b>Eye contact</b> <b>Ingestion</b> EFFECTS OF ACUTE EXPOSURE TO MATERIAL SKIN : <b>Causes severe irritation.</b> EYES: <b>Causes severe irritation.</b> INGESTION : <b>May causes irritation, abdominal pain, diarrhea.</b>	EXPOSURE LIMITS <b>N.A.V.</b> CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY <b>None</b>	
SECTION VII: PREVENTIVE MESURES		
PERSONAL PROTECTIVE EQUIPMENT GLOVES (SPECIFY) <b>Rubber</b> EYES (SPECIFY) <b>Safety goggles</b> RESPIRATORY (SPECIFY) <b>None</b> OTHER (SPECIFY) <b>None</b>	ENGINEERING CONTROLS (E.G. VENTILATION, ENCLOSED PROCESS SPECIFY) <b>N/A</b> LEAKS AND SPILLS PROCEDURE <b>Wash away with water.</b> WASTE DISPOSAL <b>Neutralize and then dispose according to local laws.</b> HANDLING PROCEDURES AND EQUIPMENT <b>N/A</b> STORAGE REQUIREMENTS <b>Steel or plastic. Store at 20°C to 30°C. Keep lid closed.</b> SPECIAL SHIPPING INFORMATION <b>Shipping temperature has to be between 20°C and 30°C.</b>	
SECTION VIII: FIRST AID MEASURES		
SKIN: <b>Flush skin with abundant water for 15 minutes. If irritation persists, seek medical attention.</b> EYES: <b>Flush eyes with abundant water for 15 minutes. If irritation persists, seek medical attention.</b> INGESTION : <b>Drink 3-4 glasses of water, do not induce vomiting. Consult physician.</b>		
SECTION IX: EMERGENCY NUMBER		
PREPARED BY	PHONE NUMBER	DATE
<b>Technical Department</b>	<b>Tel: 514-745-2597</b>	<b>April 23 2015</b>
SECTION X: W.H.M.I.S. Classe(s) : E		
SHIPPING :	<b>Corrosive liquids N.O.S. / Potassium hydroxide in solution</b> <b>Classe 8 (9.2) UN 1814 PG III</b>	