



atomes

MATERIAL SAFETY DATA SHEET / page 1

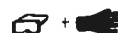
REACTION 2000

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 ₅₀ (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 ₂ 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
---	---

atomes 3485 ASHBY, Saint Laurent (Quebec) Canada H4R 2K3 Tel. : (514) 745 2597 Fax: (514) 745 5176

Information contained in this literature is believed to be accurate and is offered in good faith for the benefit of the consumer. The company, however, cannot assume any liability or risk involved in the use of its chemical products since the conditions of use are beyond our control.



MATERIAL SAFETY DATA SHEET / page 2

SECTION V: REACTIVITY DATA

CHEMICAL STABILITY	YES	REACTIVITY AND UNDER WHAT CONDITIONS?
IF NO, UNDER WHAT CONDITIONS? N/A		When in contact with acids and ammonia.
INCOMPATIBILITY TO OTHER SUBSTANCES	YES	HAZARDOUS DECOMPOSITION PRODUCTS
IF SO, WHICH ONES?		This product decomposes at high temperature to generate oxides of chlorine.
Acids and Ammonia.		CO, CO ₂ are also the products of decomposition.

SECTION VI: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY	EXPOSURE LIMITS	N.A.V.	
Skin contact	CARCINOGENICITY,	REPRODUCTIVE	EFFECTS,
Eye contact	TERATOGENICITY,	MUTAGENICITY	
Ingestion	None		
EFFECTS OF ACUTE EXPOSURE TO MATERIAL			
SKIN : Causes severe irritation.			
EYES: Causes severe irritation.			
INGESTION : May causes irritation, abdominal pain, diarrhea.			

SECTION VII: PREVENTIVE MESURES

PERSONAL PROTECTIVE EQUIPMENT	ENGINEERING CONTROLS (E.G. VENTILATION, ENCLOSED PROCESS)
GLOVES (SPECIFY)	SPECIFY) N/A
Rubber	LEAKS AND SPILLS PROCEDURE
EYES (SPECIFY)	Wash away with water.
Safety goggles	WASTE DISPOSAL
RESPIRATORY (SPECIFY)	Neutralize and then dispose according to local laws.
None	HANDLING PROCEDURES AND EQUIPMENT
OTHER (SPECIFY)	N/A
None	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	feb 18 th 2016

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
------------	---