

MATERIAL SAFETY DATA SHEET**I - IDENTIFICATION AND USE**

PRODUCT NAME: **12% CHLORINE BLEACH**

PRODUCT USE: **CLEANING, SANITIZING**

SUPPLIER: **THE CLEANING HOUSE SANITATION SUPPLIES**
973 Barton St. E.
Hamilton, Ont. L8L 3C4

Tel: **1-800-263-8610**

CANUTEC: (613) 966-6666

II - HAZARDOUS INGREDIENTS OF PRODUCT

<u>CHEMICAL IDENTITY</u>	<u>CAS, UN, NA, NO</u>	<u>%</u>	<u>LD50/LC50</u>
SODIUM HYPOCHLORITE	7681-52-9	4-12	ORAL RAT N/A 850 mg/kgm
CAUSTIC SODA	1310-73-2	0.1-0.5	ORAL RAT 500 mg/kgm 10% sol'n

III - PHYSICAL DATA FOR PRODUCT

PHYSICAL STATE: **LIQUID**

ODOUR & APPEARANCE: **FAINT BLEACH ODOUR - CLEAR - SLIGHTLY YELLOW**

ODOUR THRESHOLD: **N/A**

VAPOUR PRESSURE: **<25 AT 20°C**

(AIR=1): **LESS THAN 1**

EVAPORATION RATE: **~ WATER**

BOILING POINT: **100°C**

FREEZING POINT: **<-5°C**

SOLUBILITY IN WATER: **INFINITE**

DENSITY: **SIMILAR**

PH: **11**

SPECIFIC GRAVITY: **1.10 ± 0.5**

IV - FIRE AND EXPLOSION HAZARD

FLAMMABILITY: **NO**

MEANS OF EXTINCTION: **VENTILATE AREA, FLUSH PRODUCT WITH WATER
PREVENT RELEASED PRODUCT FROM COMING IN
CONTACT WITH OTHER CHEMICALS**

FLASHPOINT & METHOD: **NONE**

UPPER FLAMMABLE (% BY VOLUME): **N/A**

LOWER FLAMMABLE (% BY VOLUME): **N/A**

AUTOIGNITION TEMPERATURE: **N/A**

HAZARDOUS COMBUSTION PRODUCTS: **ACIDS, VIGOROUS REACTION WITH
OXIDIZING OR ORGANIC MATERIALS, MAY EXPLODE WHEN
EXPOSED TO EXTREME HEAT (FIRE)**

SPECIAL FIRE HAZARDS: **HEAT, FIRE, ORGANIC MATTER AND NITROGEN
CONTAINING COMPOUNDS.**

CONDITIONS FOR CHEMICAL INSTABILITY: **ACIDS**

INCOMPATIBLE MATERIALS: **AVOID HEAT, FIRE, ORGANIC MATTER AND
NITROGEN CONTAINING COMPOUNDS.**

DECOMPOSITION PRODUCTS: **CHLORINE (BY REACTION WITH ACIDS,
AMMONIA, UREA, NICKEL, COPPER AND IRON).**

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PAGE 2****12% CHLORINE BLEACH****VI - TOXICOLOGICAL PROPERTIES****EFFECTS OF ACUTE EXPOSURE TO PRODUCT:**

EYE: MAY CAUSE SEVERE BURNS
SKIN: MAY CAUSE SEVERE IRRITATION
INGESTION: MAY CAUSE SEVERE IRRITATION OF G.I. TRACT
INHALATION: INHALATION OF CHLORINE MIST OR FUMES MAY CAUSE SEVERE IRRITATION OF THE NOSE AND UPPER RESPIRATORY TRACT.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:**VII - PREVENTIVE MEASURES****PERSONAL PROTECTIVE EQUIPMENT:**

EYE GLASSES, RUBBER GLOVES, RUBBER BOOTS & RESPIRATOR WHEN HANDLING SPILLS

LEAK AND SPILL PROCEDURE: CONTAIN SPILL, MOP UP OR SOAK UP WITH ABSORBENT CLAY

WASTE DISPOSAL: LARGE SPILLS DISPOSE ACCORDING TO LOCAL, PROVINCIAL & FEDERAL REGULATIONS.

STORAGE REQUIREMENTS: KEEP CONTAINERS CLOSED, KEEP IN A COOL PLACE AWAY FROM DIRECT SUNLIGHT OR HEAT. STORE AWAY FROM ACIDS, AMMONIA & ORGANIC MATERIALS

SPECIAL SHIPPING INFORMATION: SODIUM HYPOCHLORORITE CLASS 8(9.2) P.I.N # 1791
PACKING GROUP III

VIII - FIRST AID MEASURES

EYE: FLUSH WITH PLENTY OF WATER. IF IRRITATION PERSISTS, SEE A PHYSICIAN.

SKIN: WASH WITH SOAP AND WATER.

INGESTION: DRINK LARGE QUANTITIES OF WATER OR MILK CALL A PHYSICIAN IMMEDIATELY. INDUCE VOMITING AND GIVE MORE WATER TO DRINK

INHALATION: REMOVE TO FRESH AIR. IF SYMPTOMS PERSIST, CALL A DOCTOR.

PREPARED BY: REGULATORY AFFAIRS

DATE: DECEMBER 2011

NOTICE: INFORMATION CONTAINED IN THIS MSDS IS DRAWN FROM RELIABLE SOURCES. WE DO NOT ASSUME ANY LIABILITY IN CONNECTION WITH ITS INADEQUATE USE.