



CANWAX  
114 Lindgren Rd. W Unit 1B  
Huntsville, ON  
P1H 1Y2  
705-789-1002

**PRODUCT: CAUSTIC SODA PEARL 99%****SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURERS..... SUPPLIED BY:  
Canwax  
114 Lindgren Rd. W Unit 1B  
Huntsville, ON P1H 1Y2  
705-789-1002  
www.canwax.com

PRODUCT NAME..... CAUSTIC SODA PEARL 99%

CHEMICAL NAME:..... SODIUM HYDROXIDE.

CHEMICAL FAMILY:..... INORGANIC BASE.

CHEMICAL FORMULA:..... NaOH.

MOLECULAR WEIGHT:..... 40.00.

MATERIAL USE:..... NOT AVAILABLE.  
24 HOUR EMERGENCY PHONE NUMBER: CANUTEC (613) 996-6666.

**SECTION 02: HAZARDS IDENTIFICATION**

HAZARD CLASSIFICATION..... NOT ASSESSED.  
SIGNAL WORD..... NOT ASSESSED.  
HAZARD STATEMENT..... NOT ASSESSED.  
PRECAUTIONARY STATEMENT..... NOT ASSESSED.  
OTHER HAZARDS..... NOT ASSESSED.

**SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENTS	CAS #	WT. %
SODIUM HYDROXIDE	1310-73-2	99-100

**SECTION 04: FIRST AID MEASURES**

SKIN:..... FLUSH SKIN WITH RUNNING WATER FOR AT LEAST 15 MINUTES. REMOVE ALL CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE. CALL PHYSICIAN IMMEDIATELY .

EYE:..... SEEK IMMEDIATE MEDICAL ATTENTION. FLUSH CONTINUOUSLY WITH WATER FOR 15 MINUTES. FORCIBLY HOLD EYELIDS APART TO ENSURE IRRIGATION OF ALL EYE TISSUE. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

INHALATION:..... REMOVE TO FRESH AIR, APPLY ARTIFICIAL RESPIRATION OR ADMINISTER OXYGEN IF NECESSARY. CALL A PHYSICIAN.

INGESTION:..... DO NOT INDUCE VOMITING. GIVE MILK OR WATER. SEEK IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**PRODUCT: CAUSTIC SODA PEARL 99%**

NOTES TO PHYSICIAN:..... PERFORM ENDOSCOPY IN ALL CASES OF SUSPECTED SODIUM HYDROXIDE INGESTION. IN CASES OF SEVERE ESOPHAGEAL CORROSION, THE USE OF THERAPEUTIC DOSES OF STEROIDS SHOULD BE CONSIDERED. GENERAL SUPPORTIVE MEASURES WITH CONTINUAL MONITORING OF GAS EXCHANGE, ACID-BASE BALANCE, ELECTROLYTES, AND FLUID INTAKE ARE ALSO REQUIRED. .

GENERAL ADVICE:..... PRECAUTIONS SHOULD ALWAYS BE TAKEN TO AVOID SKIN/EYE CONTACT WITH ANY CHEMICAL SUBSTANCE.

**SECTION 05: FIRE FIGHTING MEASURES**

MEANS OF EXTINCTION:..... USE APPROPRIATE MEDIA FOR SURROUNDING FIRE. ADDING WATER TO CAUSTIC SOLUTION GENERATES LARGE AMOUNTS OF HEAT. .

HAZARDOUS COMBUSTION PRODUCTS. NOT AVAILABLE.

FLAMMABLE LIMITS IN AIR..... NOT CONSIDERED TO BE A FIRE HAZARD. . HOT OR MOLTEN MATERIAL CAN REACT VIOLENTLY WITH WATER. . CAN REACT WITH CERTAIN METALS, SUCH AS ALUMINUM, TO GENERATE FLAMMABLE HYDROGEN GAS.

IF YES, UNDER WHICH CONDITIONS?

T.D.G. FLAMMABLE CLASS:..... CLASS 8, CORROSIVE LIQUIDS. CLASS 9, ENVIRONMENTALLY HAZARDOUS SUBSTANCES.

**SECTION 05: FIRE FIGHTING MEASURES**

SPECIAL PROCEDURES:..... CONTACT WITH MOISTURE OR WATER MAY GENERATE SUFFICIENT HEAT TO IGNITE COMBUSTIBLE MATERIALS. REACTS WITH MOST METALS TO PRODUCE HYDROGEN GAS, WHICH CAN FORM AN EXPLOSIVE MIXTURE WITH AIR. SELF-CONTAINED, POSITIVE PRESSURE BREATHING APPARATUS AND PROPER PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING ANY CHEMICAL SUBSTANCE.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

CLEAN-UP PROCEDURES, LEAK/SPILL:... VENTILATE AREA OF LEAK OR SPILL. PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM THE AREA. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. PROTECT AGAINST DUST. SCRAPE OR SHOVEL INTO AN APPROVED SALVAGE DRUM AND HOLD FOR DISPOSAL. FLUSH SPILL AREA WITH LARGE VOLUMES OF WATER AND CONTAIN. RESIDUES FROM SPILLS CAN BE NEUTRALIZED WITH DILUTE ACID SUCH AS ACETIC, HYDROCHLORIC OR SULFURIC. . SPILLAGES OR UNCONTROLLED DISCHARGES INTO WATER COURSES, DRAINS OR SEWERS MUST BE IMMEDIATELY ALERTED TO THE APPROPRIATE AUTHORITIES. ABSORB NEUTRALIZED CAUSTIC RESIDUE ON CLAY, VERMICULITE OR OTHER INERT SUBSTANCE AND PACKAGE IN A SUITABLE CONTAINER FOR DISPOSAL. . DISPOSE OF WASTE IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL, AND FEDERAL GUIDELINES.

**SECTION 07: HANDLING AND STORAGE**

HANDLING PROCEDURES AND ..... AVOID ALL EYE AND SKIN CONTACT. AVOID INGESTION. AVOID BREATHING DUST, EQUIPMENT: VAPOUR OR MIST. DO NOT MIX WITH ACIDS OR ORGANIC MATERIALS. ALWAYS ADD THE CAUSTIC TO WATER WHILE STIRRING; NEVER THE REVERSE. .

STORAGE NEEDS:..... KEEP CONTAINERS TIGHTLY CLOSED AND IN AN UPRIGHT POSITION WHEN NOT IN USE. PROTECT AGAINST PHYSICAL DAMAGE. STORE IN A COOL, DRY AND WELL-VENTILATED AREA. DO NOT STORE WITH ALUMINUM OR MAGNESIUM. .

SPECIAL SHIPPING INSTRUCTIONS..... USE PRECAUTION WHEN HANDLING OR SHIPPING ANY CHEMICAL SUBSTANCE. PROTECT AGAINST PHYSICAL DAMAGE. PRESENT APPROPRIATE PLACARDS WHEN APPLICABLE, BE SURE DOCUMENTATION IS CORRECT, AND EACH CONTAINER HAS THE PROPER SAFETY MARKS AFFIXED.

**SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
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**PRODUCT: CAUSTIC SODA PEARL 99%**

SODIUM HYDROXIDE 2 MG/M3 (CEILING)

EXPOSURE LIMIT OF MATERIAL:..... 2 MG/M3.

PROTECTIVE EQUIPMENT:

GLOVES/TYPE:..... IMPERVIOUS GLOVES.

RESPIRATOR/TYPE:..... USE SELF-CONTAINED BREATHING APPARATUS IN HIGH VAPOUR CONCENTRATIONS.

EYE/TYPE:..... WEAR CHEMICAL GOGGLES OR A FULL FACE SHIELD.

FOOTWEAR/TYPE:..... AS REQUIRED BY GENERAL WORK SITUATION.

CLOTHING/TYPE:..... WEAR IMPERVIOUS PROTECTIVE CLOTHING.

OTHER/TYPE:..... AN EYE WASH STATION AND SAFETY SHOWER SHOULD BE NEAR THE WORK AREA.

ENGINEERING CONTROLS:..... ADEQUATE VENTILATION TO KEEP VAPOURS BELOW T.L.V.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE:..... SOLID.

ODOUR/APPEARANCE:..... WHITE. DELIQUESCENT PELLETS OR FLAKES. . ODOURLESS.

ODOUR THRESHOLD:..... NOT AVAILABLE.

pH:..... 13 - 14 (0.5% soln.).

MELTING POINT °C:..... 318.

BOILING POINT °C:..... 1390.

FLASH POINT, F, COC..... NOT AVAILABLE.

EVAPORATION RATE:..... NOT AVAILABLE.

% VOLATILE:

BY VOLUME

BY WEIGHT..... 0.

UPPER EXPLOSION LIMIT:..... NOT AVAILABLE.

LOWER EXPLOSION LIMIT:..... NOT AVAILABLE.

VAPOUR PRESSURE:..... NEGLIGIBLE.

REL. VAPOUR DENSITY..... &gt; 1.0 (AIR=1).

SPECIFIC GRAVITY:..... 2.13.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

SOLUBILITY IN WATER (20 °C):..... 111 g/100 g OF WATER. .

COEFFICIENT WATER/OIL DIST.:..... NOT AVAILABLE.

AUTO IGNITION TEMPERATURE °C:..... NOT AVAILABLE.

**SECTION 10: STABILITY AND REACTIVITY**

REACTS VIOLENTLY WITH..... SEE ABOVE.

CHEMICAL STABILITY:

YES..... STABLE UNDER NORMAL CONDITIONS.

NO, WHICH CONDITIONS?..... VERY HYGROSCOPIC. CAN SLOWLY PICK UP MOISTURE FROM AIR AND REACT WITH CARBON DIOXIDE FROM AIR TO FORM SODIUM CARBONATE. . DUSTING.

COMPATIBILITY WITH OTHER

SUBSTANCES:

YES..... WATER. STRONG ACIDS. MOST COMMON METALS. CHLORINATED HYDROCARBONS.

NO, WHICH ONES?..... COMBUSTIBLE MATERIALS. ORGANIC MATERIALS. HALOGENATED HYDROCARBONS. ALUMINUM, ZINC (GALVANIZED METAL), MAGNESIUM AND OXIDIZING MATERIALS.

HAZARDOUS POLYMERIZATION:..... WILL NOT OCCUR.

RATE OF BURNING:..... NOT AVAILABLE.

EXPLOSIVE POWER:..... NOT AVAILABLE.

EXPLOSION DATA:

SENSITIVITY TO STATIC DISCHARGE:..... NOT AVAILABLE.

SENSITIVITY TO IMPACT:..... NOT AVAILABLE.

DECOMPOSITION:..... SODIUM OXIDE. DECOMPOSITION BY REACTION WITH CERTAIN METALS RELEASES FLAMMABLE AND EXPLOSIVE HYDROGEN GAS.

**PRODUCT: CAUSTIC SODA PEARL 99%**

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
SODIUM HYDROXIDE	NOT AVAILABLE	NOT AVAILABLE
ROUTE OF ENTRY:	SEVERE. SEE SKIN AND EYE CONTACT. RABBIT SKIN: 500 mg/24H SEVERE; RABBIT EYE: 50 ug/24H SEVERE.	
IRRITANCY OF MATERIAL:.....	CONTACT WITH SKIN WILL CAUSE SEVERE BURNS. CORROSIVE TO SKIN.	
SKIN CONTACT:.....	NOT AVAILABLE.	
SKIN ABSORPTION:.....	CONTACT WITH EYES FOR MORE THAN A FEW SECONDS WILL DESTROY THE TISSUES RESULTING IN LOSS OF EYE OR IMPAIRED VISION DUE TO SCARRING. CAUSES EYE BURNS.	
EYE .....	CORROSIVE. RESULTS IN SEVERE DAMAGE TO MUCOUS MEMBRANES. BURNING PAIN FROM MOUTH TO STOMACH. CAN CAUSE GASTRO-INTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. SEVERE SCARRING OF TISSUE AND DEATH MAY RESULT.	
INGESTION:.....	BREATHING DUST MAY IRRITATE THE NOSE AND THROAT AND CAUSE COUGHING AND CHEST DISCOMFORT. SEVERE IRRITATION OF RESPIRATORY SYSTEM.	
INHALATION .....	PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS MAY BE MORE SUSCEPTIBLE TO EFFECTS.	
MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:	REFER TO ROUTE OF ENTRY.	
EFFECTS OF ACUTE EXPOSURE:.....	PROLONGED CONTACT WITH DILUTE SOLUTIONS OR DUST HAS A DESTRUCTIVE EFFECT UPON TISSUE.	
EFFECTS OF CHRONIC EXPOSURE:.....	NOT AVAILABLE.	
INHALATION CHRONIC:.....	NOT AVAILABLE.	
REPRODUCTIVE EFFECTS:.....	NOT AVAILABLE.	
REPRODUCTIVE TOXICITY:.....	NOT AVAILABLE.	
SENSITIZING CAPABILITY OF MATERIAL:	NOT AVAILABLE.	
SYNERGISTIC MATERIALS:.....	NOT AVAILABLE.	
MUTAGENICITY:.....	INVESTIGATED AS A MUTAGEN.	
TERATOGENICITY & EMBRYOTOXICITY:..	NOT AVAILABLE.	
CARCINOGENICITY OF MATERIAL:.....	NOT A LISTED CARCINOGEN BY NTP.	
ACUTE ORAL TOXICITY.....	NOT AVAILABLE.	
LC 50 OF MATERIAL, SPECIES & ROUTE:	NOT AVAILABLE.	

**SECTION 12: ECOLOGICAL INFORMATION**

ENVIRONMENTAL..... NOT AVAILABLE. BIODEGRADABILITY.....  
NOT AVAILABLE.

**SECTION 13: DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL, METHOD AND ..... ALL WASTE FROM THIS PRODUCT INCLUDING ALL EMPTY CONTAINERS MUST BE EQUIPMENT: DISPOSED OF IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS.

**SECTION 14: TRANSPORT INFORMATION**

T.D.G. CLASSIFICATION:..... CLASS 8 UN 1823 P.G. II.  
T.D.G. SHIPPING NAME:..... SODIUM HYDROXIDE, SOLID.  
T.D.G. SHIPPING INFORMATION:..... SHIP IN COMPLIANCE WITH THE TRANSPORTATION OF DANGEROUS GOODS ACT.

**SECTION 15: REGULATORY INFORMATION**

WHMIS CLASSIFICATION:..... CLASS D DIV. 1 SUB. B. CLASS E.  
CPR COMPLIANCE..... THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE CPR.

**PRODUCT: CAUSTIC SODA PEARL 99%**

**SECTION 16: OTHER INFORMATION**

MANUFACTURERS DATE:..... 1/30/2015.

NOTE:..... The information on this Material Safety Data Sheet has been obtained from the manufacturer, and where applicable, from other reliable sources such as CCOHS and RTECS. However, Canwax makes no warranties, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and shall not be held liable (regardless of fault) to anyone directly or indirectly for damages or injuries in the use of this product arising out of or in connection with the accuracy, completeness or adequacy of such information.

PREPARED BY ..... Regulatory Affairs

PREPARATION DATE..... JAN30/15