

T. DONOVAN & SON (1997) LTD.
MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: CAUSTIC SODA BEADS

CHEMICAL NAME: SODIUM HYDROXIDE POWDER, BEADS

MANUFACTURER: T. DONOVAN & SON (1997) LTD

REGULAR PHONE #: 506-642-1500 HOURS: 8:30 - 4:30

EMERGENCY PHONE #: 613-996-6666 CHEMICAL EMERGENCIES ONLY

PRODUCT USE: INDUSTRIAL USE ONLY.

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	CONC.%	CAS #
SODIUM HYDROXIDE	100%	1310-73-2

SECTION III - PHYSICAL DATA

PHYSICAL STATE	: SOLID	ODOR	: NO ODOR
BOILING POINT (C)	: 1390 C	FREEZING POINT (C)	: 318
ODOR THRESHOLD	: N/AP	VAPOR PRESSURE	: 1. @ 739C
VAPOR DENSITY	: N/AV	PERCENT VOLATILE	: 0
EVAPORATION RATE	: N/AP	pH	: N.AV.
SPECIFIC GRAVITY: 2.12 (WATER=1)		COEFF WATER / OIL	: N/AP
SOLUBILITY IN WATER: 58.3(%W/W)			

SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY : NON FLAMMABLE

EXTINGUISHING MEDIA : WILL NOT SUPPORT COMBUSTION. SUITABLE FOR SURROUNDING FIRE. CARBON DIOXIDE, DRY CHEMICAL, FOAM. NON-FLAMMABLE.

SPECIAL FIRE FIGHTING PROC : NEVER USE WATER. WEAR FULL PROTECTIVE QUIPMENT. WEAR NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS.

FIRE & EXPLOSION HAZARDS : NONE

FLASHPOINT : NON FLAMMABLE

AUTO-IGNITION TEMPERATURE (C): N/A

UPPER FLAMMABILITY LIMIT : N/A

LOWER FLAMMABILITY LIMIT : N/A

HAZARDOUS COMB. PROD. : NONE KNOWN

EXPLOSION SENSITIVITY TO IMPACT: N/A

SENSITIVITY TO STATIC : N/A

CAUSTIC SODA
SECTION V - REACTIVITY DATA

CHEMICAL STABILITY : YES, STABLE UNDER NORMAL CONDITIONS OF USE.
INCOMPATIBILITY : STRONG ACIDS
CONDITIONS TO AVOID : REACTS WITH ACIDS
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
HAZARDOUS DECOMPOSITION: CARBON DIOXIDE

SECTION VI - TOXICOLOGICAL EFFECTS

CHRONIC AND ACUTE EFFECTS UPON ROUTES OF ENTRY

EYE CONTACT: CORROSIVE - CAUSES IRRITATION AND SEVERE BURNS. ULCERATION & BLINDNESS MAY OCCUR.

SKIN CONTACT: CORROSIVE - CAPABLE OF CAUSING SEVERE BURNS WITH DEEP ULCERATION AND TEMPORARY LOSS OF HAIR.

INGESTION: STRONG PAIN, BURNING OF MOUTH AND THROAT, VOMITING, DIARRHEA, INFLAMMATION OF LARYNX, COMA OR POSSIBLE DEATH.

INHALATION: IRRITATION OF NOSE, THROAT AND LUNGS. SEVERE PNEUMONITIS MAY OCCUR.

EXPOSURE LIMITS	: N/A	SYNERGISTIC PRODUCTS	: N/A
IRRITANCY	: N/A	SENSITIZATION	: N/A
CARCINOGENICITY	: N/A	TERATOGENICITY	: N/A
MUTAGENICITY	: N/A	REPRODUCTIVE TOXICITY	: N/A

SECTION VII - EMERGENCY AND FIRST AID PROCEDURES

IN ALL CASES, SEEK MEDICAL ATTENTION IMMEDIATELY

EYE CONTACT: FLUSH EYES WITH WATER FOR 30 MINUTES, HOLDING THE EYELIDS OPEN. A NEUTRAL SALINE SOLUTION MAY BE USED TO FLUSH CONTAMINATED EYES.

SKIN CONTACT: FLUSH WITH WATER FOR 30 MINUTES. REMOVE CONTAMINATED CLOTHING. COMPLETELY DECONTAMINATE CLOTHING AND ALL PROTECTIVE EQUIPMENT.

INGESTION: DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER OR MILK. IF VOMITING OCCURS NATURALLY, HAVE VICTIM LEAN FORWARD. REPEAT ADMINISTERING WATER.

INHALATION: REMOVE FROM CONTAMINATED AREA. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF DIFFICULTY BREATHING, GIVE OXYGEN.

SECTION VIII - PREVENTIVE MEASURES

EYE PROTECTION : SAFETY OR CHEMICAL GLASSES FOR FULL FACE MASK.
SKIN PROTECTION : RUBBER OR PLASTIC GLOVES, COVERALLS OR APRON.
RESPIRATORY PROTECTION : WEAR NIOSH APPROVED RESPIRATOR.
ENGINEERING CONTROLS : GENERAL MECHANICAL VENTILATION

CAUSTIC SODA

SPILL & LEAK PROCEDURES : WEAR NECESSARY PROTECTIVE CLOTHING AND EQUIPMENT. PLACE SPILLED PRODUCT INTO WASTE CONTAINER. CONTAIN LARGE SPILLS FOR LATER DISPOSAL.

WASTE DISPOSAL : DISPOSE ACCORDING TO LOCAL, PROVINCIAL AND FEDERAL LAWS.

HANDLING & STORAGE : STORE IN CLOSED CONTAINERS IN DRY, COOL AREAS. DO NOT STORE NEAR ACIDS.

SECTION IX - TRANSPORT AND REGULATORY INFORMATION

TDG REGULATION : SODIUM HYDROXIDE
CLASS 8, UN #1823, PG II

WHMIS CLASSIFICATION : CLASS E

PREPARED BY: TECHNICAL SERVICES DEPARTMENT
T. DONOVAN & SON (1997) LTD.
P.O. BOX 183
SAINT JOHN, N.B.
E2L 3X8

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