



KENCRO

CHEMICALS

PRODUCT: SODA ASH LIGHT

SECTION 1: PRODUCT INFORMATION

T.D.G. CLASSIFICATION	NOT REGULATED
UN NUMBER	N.AP.
PACKING GROUP	N.AP.
PRODUCT NAME	LIGHT SODA ASH
WHMIS CLASSIFICATION	D2B
CHEMICAL FORMULA	NA ₂ CO ₃
MOLECULAR WEIGHT	105.99
CHEMICAL FAMILY	INORGANIC
MATERIAL USE	REFER TO TECHNICAL LITERATURE

SECTION 2: HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	T.L.V.	C.A.S. #	LD/50,ROUTE,SPECIE	LC/50,ROUTE,SPECIE
SODIUM CARBONATE	≈100	10 MG/M ³	497-19-8	2800 MG/KG (ORAL, RAT)	800 MG/M ³ /2H (GUINEA PIG)

SECTION 3: PHYSICAL DATA

PHYSICAL STATE	POWDER. SOLID.
ODOUR	NO ODOUR
ODOUR THRESHOLD	N.A.V.
VAPOUR PRESSURE (MMHG)	N.AP.
VAPOUR DENSITY (AIR=1)	N.AP.
EVAPORATION RATE	N.AP.
BOILING POINT	N.AP.
MELTING POINT	85°C
PH	11.3 (1%) 11.8 (38%)
SPECIFIC GRAVITY (WATER=1)	2.533
SOLUBILITY IN WATER (% W/W)	17% SOLUTION @ 20°C
COEFFICIENT OF WATER/OIL DIST.	N.A.V.

SECTION 4: FIRE AND EXPLOSION DATA

FLAMMABILITY	NOT FLAMMABLE
IF YES, UNDER WHICH CONDITIONS?	
EXTINGUISHING MEDIA	SUITABLE FOR SURROUNDING FIRE
SPECIAL PROCEDURES	WEAR FULL PROTECTIVE EQUIPMENT INCLUDING A SELF-CONTAINED BREATHING APPARATUS
FLASH POINT(C), METHOD	N.AP.
AUTO IGNITION TEMPERATURE	N.A.V.
UPPER FLAMMABLE LIMIT (UFL) (% BY VOL)	N.AP.
LOWER FLAMMABLE LIMIT (LFL) (% BY VOL)	N.AP.
HAZARDOUS COMBUSTION PRODUCTS	SEE HAZARDOUS DECOMPOSITION PRODUCTS
UNUSUAL FIRE AND EXPLOSION HAZARDS	N.A.V.
EXPLOSION DATA	

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SENSITIVITY TO STATIC DISCHARGE	N.AP.
SENSITIVITY TO IMPACT	N.AP.
RATE OF BURNING	N.AP.
EXPLOSIVE POWER	N.AP.

SECTION 5: REACTIVITY DATA

CHEMICAL STABILITY	
YES	YES
NO, WHICH CONDITIONS?	
COMPATIBILITY WITH OTHER SUBSTANCES:	
YES	
NO, WHICH ONES?	SIMULTANEOUS EXPOSURE TO SODA ASH AND LIME DUSTS (CaO). CAN REACT VIOLENTLY WITH RED HOT ALUMINUM METAL; FLUORINE GAS; LITHIUM AND 2,4,6-TRINITROTOLEUENE. CONTACT WITH ACIDS WILL RELEASE CARBON DIOXIDE GAS.
REACTIVITY CONDITIONS	MAY CORRODE FERROUS METALS AND MILD STEEL IN PRESENCE OF MOISTURE
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID	WILL NOT OCCUR SIMULTANEOUS EXPOSURE TO SODA ASH AND LIME DUSTS (CaO). IN PRESENCE OF MOISTURE (IE. PERSPIRATION) THE TWO MATERIALS COMBINE TO FORM
CORROSIVE	
HAZARDOUS PRODUCTS OF DECOMPOSITION	CAUSTIC SODA (NaOH) WHICH MAY CAUSE BURNS HEATING SODA ASH LIBERATES CO ₂ . Na_2CO_3 (SOLID) = Na ₂ O (SOLID) + CO ₂ (GAS)

SECTION 6: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY	
SKIN CONTACT	MAY CAUSE SKIN IRRITATION FROM PROLONGED CONTACT, ESPECIALLY IN HOT WEATHER
SKIN ABSORPTION	N.AV.
EYE CONTACT	MAY IRRITATE OR BURN EYES
INHALATION	DUST OR MIST INHALATION MAY IRRITATE NOSE, THROAT AND LUNGS
INHALATION, CHRONIC	N.AV.
INGESTION	ALTHOUGH LOW IN TOXICITY, INGESTION CAN BE HARMFUL. MAY CAUSE NAUSEA, VOMITING, STOMACHACHE, AND DIARRHEA
EFFECTS OF ACUTE EXPOSURE	MODERATELY TOXIC
EFFECTS OF CHRONIC EXPOSURE	EXCESSIVE CONTACT MAY PRODUCE "SODA ULCERS" ON HANDS AND PERFORATION OF THE NASAL SEPTUM
LD 50 MATERIAL, SPECIES & ROUTE	SEE SECTION II
LC 50 MATERIAL, SPECIES & ROUTE	SEE SECTION II
EXPOSURE LIMIT OF MATERIAL	SEE SECTION II
IRRITANCY OF MATERIAL	SEE ABOVE
SENSITIZING CAPABILITY OF MATERIAL	SENSITIVITY REACTIONS MAY OCCUR FROM PROLONGED AND REPEATED EXPOSURE
CARCINOGENICITY OF MATERIAL	NONE
REPRODUCTIVE EFFECTS	N.AV.
SYNERGISTIC MATERIALS	N.AV.

SECTION 7: PREVENTATIVE MEASURES

GLOVES/TYPE	CHEMICAL RESISTANT GLOVES
RESPIRATORY/TYPE	IN DUSTY ATMOSPHERE, USE AN APPROVED DUST RESPIRATOR
EYE/TYPE	CHEMICAL SAFETY GOGGLES. DO NOT WEAR CONTACT LENSES.
FOOTWEAR/TYPE	SAFETY SHOES
CLOTHING /TYPE	WEAR IMPERVIOUS PROTECTIVE CLOTHING
OTHER/TYPE	EYE BATH AND SAFETY SHOWER
ENGINEERING CONTROLS	LOCAL EXHAUST: IN ALL AREAS WHERE DUSTY OR MISTY CONDITIONS PREVAIL NATURAL VENTILATION: ADEQUATE FOR OTHER AREAS
LEAK/SPILL	PICK UP SOLIDS AND PLACE IN A TIGHTLY SEALED CONTAINER. CAUTIOUSLY

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WASTE DISPOSAL	SPRAY RESIDUE WITH PLENTY OF WATER. KEEP CONTAMINATED WATER FROM ENTERING SEWERS AND WATER COURSES
HANDLING PROCEDURES AND EQUIPMENT	IN ACCORDANCE WITH MUNICIPAL, PROVINCIAL AND FEDERAL REGULATIONS
STORAGE NEEDS	AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING DUST OR MIST. MAINTAIN A GOOD PERSONAL HYGIENE
SPECIAL SHIPPING INSTRUCTIONS	STORE IN A COOL DRY AND DARK PLACE. STORE AWAY FROM INCOMPATIBLE MATERIALS. PROLONGED STORAGE MAY CAUSE PRODUCT TO CAKE AND BECOME WET FROM ATMOSPHERIC MOISTURE
	SEE SECTION 1 TDG CLASSIFICATION

SECTION 8: FIRST AID MEASURES

INSTRUCTIONS:

INHALATION: REMOVE TO FRESH AIR. RESTORE AND/OR SUPPORT BREATHING. CONSULT A PHYSICIAN.

INGESTION: GIVE WATER, DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

SKIN CONTACT: REMOVE ANY CONTAMINATED CLOTHING AND WASH AFFECTED AREA WITH PLENTY OF SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

EYE CONTACT: FLUSH THE EYES WITH RUNNING WATER FOR 15 MINUTES. HOLD THE EYELIDS APART DURING THE RINSING TO ENSURE FLUSHING OF THE ENTIRE SURFACE OF THE EYE AND LIDS WITH WATER. GET IMMEDIATE MEDICAL ATTENTION.

NOTES TO PHYSICIAN: N.A.V.

SECTION 9: PREPARATION INFORMATION

EMERGENCY PHONE NO	(613) 996 6666 (CANUTEC)
PREPARED BY	KENCRO CHEMICALS LIMITED
	(905) 827 4133
DATE	JUNE 2008

LEGEND:

CAS #	CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
LFL	LOWER FLAMMABLE LIMIT
N.A.P.	NOT APPLICABLE
N. A.V.	NOT AVAILABLE
TDG	TRANSPORTATION OF DANGEROUS GOODS ACT/REGULATIONS
TLV	THRESHOLD LIMIT VALUE
UFL	UPPER FLAMMABLE LIMIT
WHMIS	WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM

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