



CANADA COLORS & CHEMICALS LTD
80 SCARSDALE ROAD
DON MILLS, ONTARIO, CANADA M3B 2R7
(416)-449-7750

PRODUCT : SODA ASH LIGHT 58%

CODE: 800007

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER/SUPPLIER.....GENERAL CHEMICAL CANADA LTD.
201 CITY CENTRE DRIVE
MISSISSAUGA, ONTARIO
L5B 3A3
PREPARED BY.....ENVIRONMENTAL & REGULATORY AFFAIRS DEPARTMENT
PREPARATION DATE.....MAR 08/2004
PRODUCT NAME.....SODA ASH LIGHT 58%
PRODUCT CODE.....800007
CHEMICAL FORMULA.....NA2CO3
MOLECULAR WEIGHT.....105.99
CHEMICAL FAMILY.....INORGANIC
MATERIAL USE.....REFER TO TECHNICAL LITERATURE
EMERGENCY PHONE NO.....(416)-444-2112

SECTION 02: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS/COMPOSITION

EXPOSURE LEVELS

LD/50, ROUTE, SPECIES

LC/50, ROUTE, SPECIES

SODIUM CARBONATE
% :~100
CAS #:497-19-8

SEE/VOIR
SECTION 11

SEE SECTION 11

SEE SECTION 11

SECTION 03: HAZARDS IDENTIFICATION

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.

INGESTION.....ALTHOUGH LOW IN TOXICITY, INGESTION CAN BE HARMFUL. MAY
CAUSE NAUSEA, VOMITING, STOMACHACHE, AND DIARRHEA.

EFFECTS OF ACUTE EXPOSURE.....SEE ABOVE

EFFECTS OF CHRONIC EXPOSURE.....SENSITIVITY REACTIONS MAY OCCUR FROM PROLONGED AND REPEATED
EXPOSURE. EXCESSIVE CONTACT MAY PRODUCE "SODA ULCERS" ON
HANDS AND PERFORATION OF THE NASAL SEPTUM.

INHALATION, CHRONIC.....N.AV.

SECTION 04: FIRST AID MEASURES

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INSTRUCTIONS:.....INHALATION:.. PROMPTLY REMOVE TO FRESH AIR. RESTORE AND/OR SUPPORT BREATHING. CONSULT A PHYSICIAN FOR FURTHER INSTRUCTIONS. INGESTION:.. IF CONSCIOUS, GIVE 2 TO 3 GLASSES OF WATER TO DRINK TO DILUTE THE MATERIAL. DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN. SKIN CONTACT:.. REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA WITH SOAP AND WATER. GET MEDICAL ATTENTION IF DISCOMFORT PERSISTS. EYE CONTACT:.. FLUSH EYES PROMPTLY WITH PLENTY OF RUNNING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION

SECTION 05: FIRE FIGHTING MEASURES

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.AV.
 UPPER FLAMMABLE LIMIT (% BY.....N.AP.
 VOL.)
 LOWER FLAMMABLE LIMIT (% BY.....N.AP.
 VOL.)
 EXPLOSION DATA
 EXPLOSIVE POWER.....N.AP.
 RATE OF BURNING.....N.AP.
 SENSITIVITY TO STATIC.....N.AP.
 DISCHARGE
 SENSITIVITY TO IMPACT.....N.AP.
 UNUSUAL FIRE AND EXPLOSION.....N.AV.
 HAZARDS
 HAZARDOUS COMBUSTION PRODUCTS....SEE HAZARDOUS DECOMPOSITION PRODUCTS.

SECTION 06: ACCIDENTAL RELEASE MEASURES

LEAK/SPILL.....SHOVEL UP DRY CHEMICAL AND PLACE INTO AN EMPTY CONTAINER WITH COVER. CAUTIOUSLY SPRAY RESIDUE WITH PLENTY OF WATER. KEEP CONTAMINATED WATER FROM ENTERING SEWERS AND WATER COURSES.

SECTION 07: HANDLING AND STORAGE

HANDLING PROCEDURES AND.....AVOID CONTACT WITH EYES AND SKIN. AVOID BREATHING DUST. USE EQUIPMENT
 GOOD PERSONAL HYGIENE AND GOOD HOUSEKEEPING.
 STORAGE NEEDS.....STORE IN A COOL DRY AREA, AWAY FROM ACIDS. PROLONGED STORAGE MAY CAUSE PRODUCT TO CAKE AND BECOME WET FROM ATMOSPHERIC MOISTURE.

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SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE.....WHITE POWDER
 ODOUR.....ODOURLESS
 ODOUR THRESHOLD.....N.AV.
 VAPOUR PRESSURE (MMHG).....N.AP.
 VAPOUR DENSITY (AIR=1).....N.AP.
 EVAPORATION RATE.....N.AP.
 BOILING POINT.....N.AP.
 MELTING POINT (C).....854
 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.AV.

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY:
 YES.....YES
 NO, WHICH CONDITIONS?
 COMPATABILITY 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-TRINITROTOLUENE.
 CONDITIONS TO AVOID:.....SIMULTANEOUS EXPOSURE TO SODA ASH AND LIME DUSTS (CaO). IN
 THE PRESENCE OF MOISTURE (IE. PERSPIRATION) THE TWO
 MATERIALS COMBINE TO FORM CORROSIVE CAUSTIC SODA (NaOH)
 WHICH MAY CAUSE BURNS.
 REACTIVITY CONDITIONS?.....MAY CORRODE FERROUS METALS AND MILD STEEL IN PRESENCE OF
 MOISTURE.
 HAZARDOUS PRODUCTS OF.....HEATING SODA ASH LIBERATES CO₂. Na₂CO₃ (SOLID) = Na₂O
 DECOMPOSITION (SOLID) + CO₂ (GAS)
 HAZARDOUS POLYMERIZATION.....WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL.....ONTARIO MINISTRY OF LABOUR TIME-WEIGHTED AVERAGE EXPOSURE
 VALUE. 10 MG/M3

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LC 50 OF MATERIAL, SPECIES &.....800MG/M3, 2HR EXPOSURE (GUINEA PIG)
ROUTE
LD 50 OF MATERIAL, SPECIES &.....N.AV.
ROUTE
CARCINOGENICITY OF MATERIAL.....NONE
REPRODUCTIVE EFFECTS.....N.AV.
IRRITANCY OF MATERIAL.....SKIN IRRITATION:. MILD-. (RABBIT)
SENSITIZING CAPABILITY OF.....SENSITIVITY REACTIONS MAY OCCUR FROM PROLONGED AND REPEATED
MATERIAL EXPOSURE.
SYNERGISTIC MATERIALS.....N.AV.

SECTION 12: ECOLOGICAL CONSIDERATIONS

AQUATIC TOXICITY.....TLM 48HR MOSQUITO-FISH = 840MG/1. TLM 96HR MOSQUITO-FISH =
1200MG/1.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL.....DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL,
PROVINCIAL, AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

TDG CLASSIFICATION.....NOT REGULATED
UN NUMBER.....N.AP.
PACKING GROUP.....N.AP.
SPECIAL SHIPPING INSTRUCTIONS....N.AP.

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION.....D2B
CPR COMPLIANCE.....THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE
HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE
INFORMATION REQUIRED BY THE CPR.

SECTION 16: OTHER INFORMATION

N.AV.=NOT AVAILABLE
N.AP.=NOT APPLICABLE