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FOR CHEMICAL EMERGENCY

Involving Shipping and Handling Spills, Leak, Fire, Exposure or Accident

Call CHEMTREC 1-800-424-9300

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

Section 1 - Product Identification

Product Name: Sodium Carbonate/Soda Ash, all sizes

Product ID: 0202X

Section 2 - Composition/Information on Ingredients**CHEMICAL NAME**

Sodium Carbonate Anhydrous

CAS REG. #

497-19-8

Section 3 - Hazards Identification**EMERGENCY OVERVIEW:** Product is non-combustible. Reacts with acid to release carbon dioxide gas and heat. Irritating to the eyes and continuous contact may irritate the skin. Not expected to be toxic to the environment, nor to aquatic organisms.**POTENTIAL HEALTH EFFECTS:** Direct contact with the product causes irritation of the eyes and continuous contact may cause skin irritation (red, dry, cracked skin). Excessive levels of airborne dust may irritate the mucous membranes and upper respiratory tract.**Section 4 - First Aid Measures****EYES:** Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes lifting the upper and lower eyelids intermittently. Washing eyes within several seconds is essential to achieve maximum effectiveness. See a medical doctor or ophthalmologist as necessary.**SKIN:** Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry, and shoes immediately. Wash contaminated areas with soap and water. Thoroughly clean and dry contaminated clothing and shoes before reuse. Get medical attention if irritation occurs and persists.**INHALATION:** Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, give oxygen.**INGESTION:** Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. See a medical doctor immediately.**NOTE TO PHYSICIAN:** While internal toxicity is low, irritant effects of high concentrations may produce corneal opacities and vesicular skin reactions in humans with abraded skin only. Treatment is symptomatic and supportive.**Section 5 - Fire Fighting Measures****FLAMMABLE LIMITS:** not applicable**FIRE AND EXPLOSION HAZARDS:** not applicable**EXTINGUISHING MEDIA:** Water, water fog, carbon dioxide (CO₂), dry chemical**HAZARDOUS COMBUSTION PRODUCTS:** Fumes of sodium oxide.**Section 9 - Accidental Release Measures**

Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Residue may be flushed to sewer with plenty of water.

Section 7 - Handling and Storage**HANDLING:** Avoid contact with eyes. Wash thoroughly after handling.**STORAGE:** Keep container tightly closed and properly labeled. Store in cool, dry area, away from acids.**Section 8 - Exposure Controls / Personal Protection****EYE/FACE PROTECTION:** Safety glasses with side shields are recommended.**SKIN PROTECTION:** Dry product is generally non-irritating to intact skin but can be irritating where skin has been damaged and can create skin irritation after long exposures when moisture is present. Under such conditions, gloves are recommended.**RESPIRATORY PROTECTION:** Avoid breathing dust.**HYGIENIC PRACTICES:** Wash hands with soap and water after handling product.

Section 9 - Physical and Chemical Properties

APPEARANCE:	white, granular solid	ODOR:	odorless
BOILING POINT:	decomposes	WATER SOLUBILITY:	33.2% maximum
FREEZING POINT:	851° C (1564° F)	OXIDIZING PROPERTIES:	no data available
FLASH POINT:	non-combustible	PERCENT VOLATILE:	no data available
EVAPORATION RATE:	no data available	pH:	11.4 (1% solution)
DENSITY/WEIGHT PER VOLUME:	(g/mL) Dense Grades = 0.86 - 1.12; Light Grades = 0.70 - 0.90		

Section 10 - Stability and Reactivity

STABILITY:	Stable
CONDITIONS TO AVOID:	Contact with acids except under controlled conditions.
INCOMPATIBLE MATERIALS:	Aluminum powder, acids, fluorine, molten lithium. Reacts with acids with release of large volumes of carbon dioxide gas and heat.
HAZARDOUS DECOMPOSITION:	Heated to decomposition, it emits fumes of sodium oxide.
POLYMERIZATION:	Will not occur

Section 11 - Toxicological Information

EYE EFFECTS:	Severe irritant (rabbit) (Toxicology 23:281 (1982)).
SKIN EFFECTS:	Non-irritating to intact skin. Minor irritation may occur on abraded skin. (Toxicol. Appl. Pharmacol. 31:481 (1975))
DERMAL LD50:	No data available for the product.
ORAL LD50:	Harmful if swallowed.
INHALATION LC50:	2.3mg/1 (2h) (rat) (Environ. Res. 31:138 (1983)).
SENSITIZATION:	0.25% sodium carbonate: Non-sensitizing (human) (Toxicol. Appl. Pharmacol. 31:481 (1975)).
ACUTE EFFECTS FROM OVEREXPOSURE:	May cause severe irritation of the eyes, including corneal opacities. Dusts and mists may be irritating to the skin, mucous membranes and upper respiratory tract. No significant acute toxicological effects expected.
EYES:	Immediately flush with cool, running water for at least 15 minutes.
SKIN:	Immediately wash skin and clothing with soap and water.
INHALATION:	Remove to fresh air. If breathing is difficult, get medical attention.
INGESTION:	Rinse mouth at once; give vinegar or juice of lemon, orange or grapefruit. Do not induce vomiting.
CARCINOGENICITY:	NTP: not listed IARC: not listed OSHA: not listed other: (ACGIH) not listed

Section 12 - Ecological Information

ECOTOXICOLOGICAL:	96-hour LC50 = 265-565 mg/L (daphnia magna) (low toxicity) 96-hour LC50 = 300-320 mg/L (bluegill sunfish) (low toxicity)
CHEMICAL FATE:	Biodegradability does not apply to inorganic substances. No significant toxicity to aquatic organisms is expected.

Section 13 - Disposal Method

Reuse or reprocess if possible. Flush spill with plenty of water before disposal. Dispose in accordance with all applicable regulations.

Section 14 - Transportation Information

Not classified as hazardous according to Department of Transportation.

Section 15 - Regulatory Information

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)	
SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355, APPENDIX A):	not listed
SECTION 311 HAZARD CATEGORIES (40 CFR 370):	Immediate (Acute) Health Hazard
SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR 370):	The Threshold Planning Quantity (TPQ) for this product, if treated as a mixture, is 10,000 lb; however, this product contains the following ingredients with a TPQ of less than 10,000 lb: None
SECTION 313 HAZARD REPORTABLE INGREDIENTS (40 CFR 370):	not listed
CERCLA DESIGNATION AND REPORTABLE QUANTITIES (RQ) (40 CFR 302.4):	not listed
TSCA INVENTORY STATUS (40 CFR 710):	listed
RCRA IDENTIFICATION OF HAZARDOUS WASTE (40 CFR 261):	Waste Number: Refer to Section 13 Disposal Methods for RCRA status.
CANADA WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM)	
PRODUCT IDENTIFICATION NUMBER:	not applicable
INGREDIENT DISCLOSURE LIST:	listed
HAZARD CLASSIFICATION / DIVISION: D.2.B, E	
DOMESTIC SUBSTANCE LIST: listed	

Section 16 - Other Information

SUPERSEDES DATE: June 30, 2009

The information and recommendations in this Material Safety Data Sheet are based upon data believed to be correct and does not relate to its use in combination with any other material or process. Since use conditions vary, we assume no liability for failure to follow product use direction and safety precautions. As data, standards and regulations change; NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.