

M A T E R I A L S A F E T Y D A T A S H E E T

REV: 03/19/97

CHEMTECH PRODUCTS, INC.
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HEALTH = 3 REACTIVITY = 1
FIRE = 0 EQUIPMENT =

FOR EMERGENCIES INVOLVING
SPILL, LEAK, FIRE OR EXPOSURE, CALL
1-800-424-9300
DAY OR NIGHT

HAZARD RATINGS:
0 = LEAST 1 = SLIGHT
2 = MODERATE 3 = HIGH
4 = EXTREME

SECTION I PRODUCT DESCRIPTION

PRODUCT NAME: CAUSTIC SODA, ANHYDROUS (1/4 FLAKE)
SYNONYMS: SODIUM HYDROXIDE
CHEMICAL FAMILY: INORGANIC ALKALI
CHEMICAL FORMULA: NaOH

SECTION II PRODUCT COMPOSITION

Table with 4 columns: INGREDIENT, WGT %, CAS #, TLV. Row 1: SODIUM HYDROXIDE, >96, 1310-73-2, 2 MG/M3 CEILING

SECTION III PHYSICAL PROPERTIES

BOILING POINT: 1390 C
SPECIFIC GRAVITY (WATER=1): 2.13
VAPOR PRESSURE AT 20C (MM OF HG): >0.01
VAPOR DENSITY (AIR=1): NOT APPLICABLE
SOLUBILITY IN WATER: SOLUBLE
EVAPORATION RATE: NOT APPLICABLE
% VOLATILES: NONE

APPEARANCE AND ODOR: WHITE SOLID, FLAKE OR GRANULAR; PRACTICALLY ODORLESS

SECTION IV FIRE AND EXPLOSION DATA

LOWER FLAMMABILITY LIMITS (% IN AIR): NOT APPLICABLE
FLASH POINT (AND METHOD): NONE

FLAMMABILITY CLASSIFICATION: NOT CLASSIFIED

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RECOMMENDED EXTINGUISHING MEDIA: DOES NOT BURN OR SUPPORT COMBUSTION. USE EXTINGUISHING MATERIALS SUITABLE FOR SURROUNDING FIRE.

SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD BE EQUIPPED WITH APPROPRIATE PROTECTIVE APPAREL AND A NIOSH-APPROVED DUST RESPIRATOR.

UNUSUAL FIRE/EXPLOSION HAZARDS: MAY RELEASE EXPLOSIVE HYDROGEN GAS UPON CONTACT WITH REACTIVE METALS, SUCH AS MAGNESIUM, ALUMINUM, OR ZINC. MATERIAL REACTS WITH WATER GENERATING CONSIDERABLE HEAT AND POSSIBILITY OF SPLATTERING.

SECTION V ===== HEALTH INFORMATION =====

THRESHOLD LIMIT VALUE: 2 MG/M3 (CEILING) OSHA PEL: 2 MG/M3 (CEILING) LD50 (ORAL-RAT): 140-340 MG/KG

EFFECTS OF OVEREXPOSURE: INHALATION OF DUST OR MIST CAN CAUSE IRRITATION, AT HIGH CONCENTRATIONS, MORE SEVERE BURNS AND UPPER RESPIRATORY DAMAGE CAN OCCUR. BEAD OR LIQUID CONTACT WITH THE SKIN CAN CAUSE SEVERE BURNS WITH DEEP ULCERATIONS. CONTACT WITH EYES CAN CAUSE SEVERE BURNS AND BLINDNESS. INGESTION CAN CAUSE SEVERE BURNS TO THE MOUTH, THROAT, STOMACH AND OTHER TISSUES WHICH MAY RESULT IN DEATH.

EMERGENCY FIRST AID PROCEDURES:

- EYE CONTACT: FLUSH AFFECTED AREA WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN DURING IRRIGATION. GET MEDICAL ATTENTION IMMEDIATELY.
SKIN CONTACT: IMMEDIATELY FLUSH SKIN WITH WATER WHILE REMOVING CONTAMINATED CLOTHING. CONTINUE WASHING UNTIL SLICK SKIN FEELING IS GONE. WASH ALL CONTAMINATED CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION.
INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY.
INGESTION: GIVE LARGE AMOUNTS OF WATER TO DILUTE. DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, ADMINISTER MORE WATER. GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

LISTED IN THE FOLLOWING:

- INTERNATIONAL AGENCY FOR RESEARCH ON CANCER MONOGRAPHS (IARC) NO
-NATIONAL TOXICOLOGY PROGRAM ANNUAL REPORT ON CARCINOGENS (NTP) NO
-OSHA SUBPART Z NO
-MASSACHUSETTS RIGHT TO KNOW LAWS YES
-NEW JERSEY RIGHT TO KNOW LAWS YES
-COMPREHENSIVE ENV. RESPONSE, COMPENSATION & LIABILITY ACT (CERCLA) YES
-RESOURCE CONSERVATION & RECOVERY ACT (RCRA) NO
-SARA 302 EXTREMELY HAZARDOUS SUBSTANCE NO
---REPRODUCTIVE HARM.

SECTION VI ===== REACTIVITY DATA =====

STABILITY: STABLE

CONDITIONS TO AVOID: NONE

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MATERIALS. DISSOLVES IN WATER RELEASING HEAT.

HAZARDOUS DECOMPOSITION PRODUCTS: AQUEOUS SOLUTIONS MAY LIBERATE HYDROGEN UPON REACTION WITH METALS LISTED ABOVE. REACTION WITH VARIOUS FOOD SUGARS MAY FORM CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VII ===== SPILL OR LEAK PROCEDURES =====

PROCEDURES IF MATERIAL IS SPILLED OR RELEASED:

SHOVEL UP ALL POSSIBLE MATERIAL AND RECONTAINER. FLUSH WITH LARGE QUANTITIES OF WATER. NEUTRALIZE WITH DILUTE ACID. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

WASTE DISPOSAL PROCEDURES: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION VIII ===== SPECIAL PROTECTION INFORMATION =====

RESPIRATORY PROTECTION: NIOSH/MSHA APPROVED RESPIRATOR FOR DUST AND MIST

LOCAL EXHAUST: SUFFICIENT TO MAINTAIN AIR CONCENTRATION BELOW 2 MG/M3

PROTECTIVE GLOVES: RUBBER OR NEOPRENE

EYE PROTECTION: CHEMICAL SAFETY GOGGLES

OTHER PROTECTIVE EQUIPMENT: RUBBER BOOTS & APRONS; SAFETY SHOWER; EYEWASH

SECTION IX ===== ADDITIONAL PRECAUTIONS =====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

KEEP CONTAINER CLOSED WHEN NOT IN USE.
MATERIAL IS CORROSIVE TO EYES, SKIN AND MUCOUS MEMBRANES.
AVOID CONTACT IN ALL FORMS.
WASH THOROUGHLY AFTER HANDLING.
STORE IN CLOSED, PROPERLY LABELED CONTAINERS INDOORS IN DRY AREA.
NEVER ADD TO HOT WATER.
CONSIDERABLE HEAT IS GENERATED WHEN CAUSTIC SODA IS DISSOLVED IN WATER.
BOILING AND SPATTERING OF HOT CAUSTIC SOLUTION MAY RESULT.

SECTION X ===== TRANSPORTATION REQUIREMENTS =====

DOT PROPER SHIPPING NAME: SODIUM HYDROXIDE, SOLID

DOT HAZARD CLASS: 8

PACKAGING GROUP: II

REPORTABLE QUANTITY: 1000 LB.

UN/NA IDENTIFICATION NUMBER: UN 1823

DOT LABELS REQUIRED: CORROSIVE

DOT PLACARDS REQUIRED: CORROSIVE

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Product #: 92768 Name: CAUSTIC SODA BEADS (IMPORT) Desc:

From: BRENNTAG MID-SOUTH INC. To: Wednesday, September 14, 2011

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