

SARGENT WELCH SCIENTIFIC CO. MATERIAL SAFETY DATA SHEET
7400 NORTH LINDER AVENUE PRODUCT NO. B0360, B0375
SKOKIE, IL 60077 C10936-100GM,-500GM,-
(708) 677-0600 2.5KG 5/4/88

CHEMTREC 800-424-9300
24 HOUR EMERGENCY ASSISTANCE

SECTION I IDENTIFICATION

PRODUCT BARIUM CHLORIDE, DIHYDRATE
TRADE CHEMICAL
SYNONYMS

FORMULA BaCl2.2H2O
RTECS# CQ8750000
C.A.S. # 10361-37-2

CHEMTREC 800-424-9300
DAY (312) 468-3700

HEALTH 3
FLAMMABILITY 0
REACTIVITY 0
HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

SECTION II MIXTURE COMPONENTS

COMPONENT	CAS NUMBER	%	TLV
NA=NOT APPLICABLE NE=NONE ESTABLISHED			

SECTION III PHYSICAL CHARACTERISTICS

MELTING POINT C 963 C SPECIFIC GRAVITY (H2O=1) 3.86
BOILING POINT C 1560 C PERCENT VOLATILE BY VOLUME (%) NA
VAPOR PRESSURE MM HG/C NA EVAPORATION RATE(=1) NA
VAPOR DENSITY (AIR=1) NA
SOLUBILITY IN WATER GOOD
APPEARANCE AND ODOR WHITE CRYSTAL, NO ODOR

SECTION IV FIRE / EXPLOSION HAZARD INFORMATION

FLASH POINT C NA (METHOD)
FLAMMABLE LIMITS IN AIR % BY VOLUME LOWER: UPPER:
FIRE EXTINGUISHER TYPE USE ANY MEDIUM SUITABLE FOR EXTINGUISHING
SUPPORTING FIRE.
FIRE FIGHTING PROCEDURES (CALL FIRE DEPT. IMMEDIATELY)
IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING AND NIOSH
APPROVED SELF-CONTAINED BREATHING
APPARATUS WITH FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND OR
OTHER POSITIVE PRESSURE MODE.

FIRE / EXPLOSION
HAZARDS

NOT CONSIDERED TO BE A FIRE/EXPLOSION HAZARD.

D.O.T. NOT REQUIRED

D.O.T. REGULATIONS MAY CHANGE FROM TIME TO TIME. PLEASE CONSULT THE MOST RECENT D.O.T. REGULATIONS, ESSENTIALLY SIMILAR TO FORM OSHA-174.

SECTION V HEALTH HAZARD INFORMATION
THRESHOLD LIMIT VALUE (TLV) 0.5MG/M3 (AS BA) TWA

OVEREXPOSURE SYMPTOMS ACUTE: IRRITATION AND PAIN TO SKIN, EYES, LUNGS, MUCOUS MEMBRANES, AND GI TRACT. NAUSEA, VOMITING, MUSCLE SPASMS, PARTIAL PARALYSIS. CHRONIC: PARALYSIS OF EXTREMITIES, SYSTEMIC METAL POISONING.

EMERGENCY AND
FIRST AID PROCEDURES

SKIN: REMOVE ANY CONTAMINATED CLOTHING. WASH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION DEVELOPS, GET MEDICAL ATTENTION. EYES: WASH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. INGESTION: IF SWALLOWED, INDUCE VOMITING IMMEDIATELY BY GIVING TWO TABLESPOONS OF MAGNESIUM/SODIUM SULFATE IN A GLASS OF WATER AND STICKING FINGER DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL PHYSICIAN IMMEDIATELY.

SECTION VI REACTIVITY INFORMATION

STABILITY STABLE

CONDITIONS TO AVOID NONE

INCOMPATIBILITIES

(MATERIALS TO AVOID) BROMINE TRIFLUORIDE, SULFATES.

HAZARDOUS

DECOMPOSITION PRODUCTS BARIUM OXIDE, HYDROGEN CHLORIDE.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID NONE

MAY OCCUR X WILL NOT OCCUR

SECTION VII SPILL CLEANUP / DISPOSAL INFORMATION

CLEANUP METHOD(S) CLEANUP/DISPOSAL METHODS ARE RECOMMENDATIONS ONLY. CHECK YOUR LOCAL, STATE, AND FEDERAL REGULATIONS. VENTILATE AREA OF LEAK OR SPILL.

CLEAN-UP PERSONNEL MAY REQUIRE PROTECTIVE CLOTHING

AND RESPIRATORY PROTECTION FROM DUST. SPILLS: SWEEP UP AND CONTAINERIZE FOR RECLAMATION OR DISPOSAL. AVOID DUST DISPERSAL.

DISPOSAL METHOD(S) DISPOSAL: WHATEVER CAN NOT BE SAVED FOR RECLAMATION MAY BE DISPOSED OF IN A RCRA APPROVED HAZARDOUS WASTE FACILITY. DO NOT FLUSH TO SEWER.

SECTION VIII PERSONAL PROTECTION RECOMMENDATIONS

RESPIRATORY PROTECTION (SPECIFY TYPE) TOXIC DUST
VENTILATION LOCAL EXHAUST X
MECHANICAL (GENERAL) X
PROTECTIVE GLOVES POLY OR RUBBER EYE PROTECTION GOGGLES
OTHER PROTECTIVE LAB COAT.
EQUIPMENT

SECTION IX ADDITIONAL INFORMATION
STORE IN A COOL DRY LOCATION.

CONDITIONS AGGRAVATED/TARGET ORGANS: PERSONS WITH PREEXISTING
SKIN OR RESPIRATORY DISORDERS MAY BE MORE SUSCEPTIBLE.

REV. NO. 4 DATE 5/4/88 APPROVED K.KUCHEL SAFETY DIR. RMC

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