

J. T. BAKER CHEMICAL CO. 222 RED SCHOOL LANE, PHILLIPSBURG, NJ 08865
M A T E R I A L S A F E T Y D A T A S H E E T
24-HOUR EMERGENCY TELEPHONE -- (201) 859-2151
CHEMTREC # (800) 424-9300 -- NATIONAL RESPONSE CENTER # (800) 424-8802

7 -01
EFFECTIVE: 09/26/85

CALCIUM CHLORIDE, ANHYDROUS

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ISSUED: 01/24/86

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: CALCIUM CHLORIDE, ANHYDROUS
FORMULA: CaCl2
FORMULA WT: 110.99
CAS NO.: 10043-52-4
IOSH/RTECS NO.: EV9800000
PRODUCT CODES: 1311

PRECAUTIONARY LABELLING

BAKER SAF-T-DATA(TM) SYSTEM

HEALTH	-	1
FLAMMABILITY	-	0
REACTIVITY	-	0
CONTACT	-	2

LABORATORY PROTECTIVE EQUIPMENT

SAFETY GLASSES; LAB COAT

PRECAUTIONARY LABEL STATEMENTS

STORAGE: KEEP IN TIGHTLY CLOSED CONTAINER.

SECTION II - HAZARDOUS COMPONENTS

COMPONENT	%	CAS NO.
CALCIUM CHLORIDE	90-100	10043-52-4

SECTION III - PHYSICAL DATA

BOILING POINT:	N/A	VAPOR PRESSURE(MM HG):	N/A
MELTING POINT:	772 C (1422 F)	VAPOR DENSITY(AIR=1):	N/A
SPECIFIC GRAVITY:	2.15	EVAPORATION RATE:	N/A
(H2O=1)		(BUTYL ACETATE=1)	
SOLUBILITY(H2O):	COMPLETE (IN ALL PROPORTIONS) % VOLATILES BY VOLUME: 0		
APPEARANCE & ODOR:	WHITE GRANULES.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA (CONTINUED)

FIRE EXTINGUISHING MEDIA

USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

SPECIAL FIRE-FIGHTING PROCEDURES

FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE

TOXIC GASES PRODUCED

HYDROGEN CHLORIDE

SECTION V - HEALTH HAZARD DATA

TOXICITY: LD50 (ORAL-RAT)(MG/KG) - 1000
LD50 (IPR-MOUSE)(MG/KG) - 280

EFFECTS OF OVEREXPOSURE

CONTACT WITH SKIN OR EYES MAY CAUSE SEVERE IRRITATION OR BURNS.

INGESTION MAY CAUSE NAUSEA AND VOMITING.

DUST MAY IRRITATE NOSE AND THROAT.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: MOISTURE

INCOMPATIBLES: MOST COMMON METALS, WATER

DECOMPOSITION PRODUCTS: HYDROGEN CHLORIDE

SECTION VII - SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.

WITH CLEAN SHOVEL, CAREFULLY PLACE MATERIAL INTO CLEAN, DRY CONTAINER AND COVER; REMOVE FROM AREA. FLUSH SPILL AREA WITH WATER.

DISPOSAL PROCEDURE

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION VIII - PROTECTIVE EQUIPMENT

VENTILATION: USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE.

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SECTION VIII - PROTECTIVE EQUIPMENT (CONTINUED)

RESPIRATORY PROTECTION: NONE REQUIRED WHERE ADEQUATE VENTILATION
CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS
HIGH, USE AN APPROPRIATE RESPIRATOR OR DUST MASK.

EYE/SKIN PROTECTION: SAFETY GLASSES WITH SIDESHIELDS, UNIFORM, RUBBER
GLOVES ARE RECOMMENDED.

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

AF-T-DATA(TM) STORAGE COLOR CODE: ORANGE

SPECIAL PRECAUTIONS

KEEP CONTAINER TIGHTLY CLOSED. SUITABLE FOR ANY GENERAL CHEMICAL STORAGE
AREA.

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

DOMESTIC (D.O.T.)

COMMON SHIPPING NAME CHEMICALS, N.O.S.

INTERNATIONAL (I.M.O.)

COMMON SHIPPING NAME CHEMICALS, N.O.S.

(TM) AND (R) DESIGNATE TRADEMARKS.

NA = NOT APPLICABLE OR NOT AVAILABLE

THE INFORMATION PUBLISHED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN COMPILED
FROM OUR EXPERIENCE AND DATA PRESENTED IN VARIOUS TECHNICAL PUBLICATIONS. IT IS
THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR
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