

CALCIUM HYDROXIDE

MSDS for CALCIUM HYDROXIDE

Manufacturer : Management Excellent Group Co.,Ltd.

Common Name : HTDRATED LIME, SLAKED LIME

Revised : 17/12/2004

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1 - PRODUCT IDENTIFICATION

PRODUCT NAME : CALCUIM HYDROXIDE
FORMULAR : Ca (OH)2
FORMULAR WT : 74.09
CAS NO. : 01305 – 62-0
COMMON SYNONYMS : CALCIUM HYDRATE ; SLAKED LIME
PRODUCT CODE : 1372,5143,5003,1374
EFFECTIVE : 09 / 26 / 85
REVISION : # 01

PRECAUTIONARY LABELLING

BAKER SAF – T – DAT (TM) SYSTEM

HEALTH - 1 SLIGHT

FLAMMABILTY - 0 NONE

REACTIVITY - 1 SLIGHT

CONTACT - 2 MODERATE

HAZARD RATINGS ARE 0 TO 4 (0 = NO HAZARD ; 4 = EXTREAM HAZARD)

LABORATORY PROTECTIVE EQUIPMENT : SAFETY GLASSES ; LAB COAT
PRECAUTIONARY LABEL STATEMENTS

WARNING
CAUSES IRRITATION

AVOID CONTACT WITH EYES , SKIN , CLOTHING.
KEEP IN TIGHTLY CLOSED CONTAINER . WASH THROUGHLY AFTER
HANDLING.

SAF – T – DATA (TM) STORAGE COLOR CODE : ORANGE (GENERAL
STORAGE)

2 - HAZARDOUS COMPONENTS

COMPONENT	% CAS NO.
CALCUIM OXIDE	90 – 100 1305 – 62 – 0

3 - PHYSICAL DATA

BOILING POINT : N/A VAPOR PRESSURE (MM HG) : N/A
MELTING POINT : 2572 C (4662 F) VAPOR DENSITY (AIR = 1) : 2.5
SPECIFIC GRAVITY : 2.24 EVAPORATING RATE : N/A
(H₂O = 1) (BUTYL ACETATE = 1)
SOLUBILITY (H₂O) : NEGLIGIBLE (LESS THAN 0.1 %) % VOLATILES BY VOLUME : 0
APPEARANCE & ODOR : SOFT, ODORLESS SOLID OR CRYSTALS.

4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (CLOSED CUP) : N/A
FLAMMABLE LIMITS : UPPER - N/A % LOWER - N/A %

FIRE EXTINGUISHING MEDIA

USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

UNUSUAL FIRE & EXPLOSION HAZARDS

CONTACT WITH MOISTURE OR WATER MAY GENERATE SUFFICIENT HEAT TO LIGHTEN COMBUSTIBLE MATERIALS.

5 - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE (TLV/TWA) : 5 MG/M³ (PPM)

TOXICITY : LD₅₀ (ORAL-RAT) (MG/KG) - 7340

CARCINOGENICITY : NTP : NO IARC : NO Z LIST : NO OSHA REG : NO

EFFECTS TO OVER EXPOSURE

DUST MAY BE IRRITATING NOSE AND THROAT.
CONTACT WITH SKIN OR EYES MAY CAUSE IRRITATION.

TARGET ORGANS

NON IDENTIFIED

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

NON IDENTIFIED

ROUTES OF ENTRY

NON IDENTIFIED

EMERGENCY AND FIRST AID PROCEDURES

CALL A PHYSICIAN.

IN CASE OF CONTACT , IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT 15 MINTUES. FLUSH SKIN WITH WATER.

6 - REACTIVITY DATA

STABILITY : STABLE

HAZARDOUS POLYMERIZATION : WILL NOT OCCUR

INCOMPATIBLES : WATER , FLUORINE , STRONG ACIDS

7 - SPILL AND DISPOSAL PROCEDURES

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

8 - PROTECTIVE EQUIPMENT

VENTICATION : USE GENERAL OR LOCAL EXHAUST VENTILATION TO
MEET TLV REQUIREMENTS.

RESPIRATORY PROTECTION : RESPIRATORY PROTECTION REQUIRED IF
AIRBORNE CONCENTRATION EXCEEDS TLV.
AT CONCENTRATIONS UP TO 11 PPM , A DUST /
MIST REPIRATOR IS RECOMMAND.
ABOVE THIS LEVEL , A SELF-CONTAINED
BREATHING APPRATUS IS ADVISED

EYES / SKIN PROTECTION : SAFETY GLASSES WITH SIDESHEILDS , UNIFORM ,
RUBBER GLOVES ARE RECOMMENDED.

9 - STORAGE AND HANDLING PRECAUTIONS

SAF-T-DATA (TM) STORAGE COLOR CODE : ORANGE (GENERAL STORAGE)

SPECIAL PRECAUTIONS

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

10 - TRANSPORTATION DATA AND ADDITION INFORMATION

DOMESTIC (D.O.T.)

PROPER SHIPPING NAME CHEMICAL , N.O.S. (NON - REGULATED)

INTERNATIONAL (I.M.O.)

PROPER SHIPPING NAME CHEMICAL , N.O.S. (NON - REGULATED)