MATERIAL SAFETY DATA SHEET

SECTION 1. - - - - - - - - - CHEMICAL IDENTIFICATION- - - - - - - - - -
CATALOG #: 21181
NAME: CALCIUM HYDROXIDE

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - - -
CAS #: 1305-62-0
MF: CAH2O2
EC NO: 215-137-3
SYNONYMS
- BELL MINE
- BIOCALC
- CALCIUM DIHYDROXIDE
- CALCIUM HYDRATE
- CALCIUM HYDROXIDE (ACGIH:OSHA)
- CALVIT
- CARBOXIDE
- HYDRATED LIME
- KALKHYDRATE
- KEMIKAL
- LIMBUX
- LIME MILK
- LIME WATER
- MILK OF LIME
- SLAKED LIME

SECTION 3. - - - - - - - - - - HAZARDS IDENTIFICATION - - - - - - - - - -
LABEL PRECAUTIONARY STATEMENTS
CORROSIVE
CAUSES BURNS.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

SECTION 4. - - - - - - - - - - FIRST-AID MEASURES- - - - - - - - - -
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN IMMEDIATELY.

SECTION 5. - - - - - - - - - FIRE FIGHTING MEASURES - - - - - - - -
EXTINGUISHING MEDIA
DRY CHEMICAL POWDER.

SECTION 6. - - - - - - - - ACCIDENTAL RELEASE MEASURES- - - - - - - -
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

SECTION 7. - - - - - - - - HANDLING AND STORAGE- - - - - - - - -
REFER TO SECTION 8.

SECTION 8. - - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -
SAFETY SHOWER AND EYE BATH.
USE ONLY IN A CHEMICAL FUME HOOD.
WASH CONTAMINATED CLOTHING BEFORE REUSE.
DISCARD CONTAMINATED SHOES.
WASH THOROUGHLY AFTER HANDLING.
DO NOT BREATHE DUST.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
NIOSH/MSHA-APPROVED RESPIRATOR.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
CHEMICAL SAFETY GOGGLES.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - - - -
PHYSICAL PROPERTIES
SPECIFIC GRAVITY: 2.24

SECTION 10. - - - - - - - STABILITY AND REACTIVITY - - - - - - -
STABILITY
STABLE.
CONDITIONS TO AVOID
ABSORBS CO2 FROM AIR.
INCOMPATIBILITIES
STRONG ACIDS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
CALCIUM OXIDE
HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION 11. - - - - - - - TOXICOLOGICAL INFORMATION - - - - - - -
ACUTE EFFECTS
CAUSES BURNS.
MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
MATERIAL IS EXTREMELY Destructive TO THE TISSUE OF THE MUCOUS MEMBRANES
AND UPPER RESPIRATORY TRACT.
MAY BE HARMFUL IF INHALED.
MAY BE HARMFUL IF SWALLOWED.
INHALATION MAY RESULT IN SPASM, INFLAMMATION AND EDEMA OF THE
LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY EDEMA.
SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING,
WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND
VOMITING.
MATERIAL IS EXTREMELY Destructive TO TISSUE OF THE MUCOUS MEMBRANES
AND UPPER RESPIRATORY TRACT, EYES AND SKIN.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTCE #: EW2800000
CALCIUM HYDROXIDE
IRRITATION DATA
EYE-RBT 10 MG SEV TXAPA9 55,501,1980
TOXICITY DATA
ORL-RAT LD50: 7340 MG/KG AIHAAP 30,470,1969
ORL-MUS LD50: 7300 MG/KG YKYUA6 32,1477,1981
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTCE) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTCE FOR
COMPLETE INFORMATION.

SECTION 12. - - - - - - - ECOLOGICAL INFORMATION - - - - - - -
DATA NOT YET AVAILABLE.

SECTION 13. - - - - - - - DISPOSAL CONSIDERATIONS - - - - - - -
CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF
THIS MATERIAL.
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A
CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - - - TRANSPORT INFORMATION - - - - - - -
CONTACT FLUKA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - - - REGULATORY INFORMATION - - - - - - -
EUROPEAN INFORMATION
CORROSIVE
R 34
CAUSES BURNS.
S 26
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S 36/37/39
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
S 45
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

REVIEWS, STANDARDS, AND REGULATIONS
OEL=MAK
ACGIH TLV-TWA 5 MG/M3                         DTLVS* TLV/BEI,1999
EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION
FEREAC 54,7740,1989
OSHA PEL (GEN INDU):8H TWA 15 MG/M3, TOTAL DUST
CFRGR 29,1910.1000,1994
OSHA PEL (GEN INDU):8H TWA 5 MG/M3, RESPIRABLE FRACTION
CFRGR 29,1910.1000,1994
OSHA PEL (CONSTRUC):8H TWA 15 MG/M3, TOTAL DUST
CFRGR 29,1926.55,1994
OSHA PEL (CONSTRUC):8H TWA 5 MG/M3, RESPIRABLE FRACTION
CFRGR 29,1926.55,1994
OSHA PEL (SHIPYARD):8H TWA 15 MG/M3, TOTAL DUST
CFRGR 29,1915.1000,1993
OSHA PEL (SHIPYARD):8H TWA 5 MG/M3, RESPIRABLE FRACTION
CFRGR 29,1915.1000,1993
OEL-AUSTRIA: MAK 5 MG/M3, JAN1999
OEL-BELGIUM: MAK 5 MG/M3, JAN1999
OEL-DENMARK: MAK 5 MG/M3, JAN1999
OEL-FINLAND: MAK 5 MG/M3, JAN1999
OEL-FRANCE: VME 5 MG/M3, JAN1999
OEL-NORWAY: MAK 5 MG/M3, JAN1999
OEL-POLAND: MAK 5 MG/M3, JAN1999
OEL-SWITZERLAND: MAK-W 5 MG/M3, JAN1999
OEL-UNITED KINGDOM: LTEL 5 MG/M3, JAN1993
OEL IN ARGENTINA, BULGARIA, COLOMBIA, JORDAN, KOREA CHECK ACGIH TLV;
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM CHECK ACGIH TLV
NIOSH REL TO CALCIUM HYDROXIDE-AIR:10H TWA 5 MG/M3
NIOSH* DHHS #92-100,1992
NOHS 1974: HZD 15743; NIS 187; TNF 15315; NOS 115; TNE 226292
NOES 1983: HZD 15743; NIS 167; TNF 20988; NOS 131; TNE 360007; TFE 39330
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
NIOSH ANALYTICAL METHOD, 1994: CALCIUM AND COMPOUNDS, 7020
SECTION 16. - - - - - - - - - - OTHER INFORMATION- - - - - - - - - - - - -
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