

HACH CO.

-- LIMESTONE

=====
MSDS Safety Information
=====

FSC: 6630
NIIN: 00-133-0697
MSDS Date: 09/12/1993
MSDS Num: BVGYN
Product ID: LIMESTONE
MFN: 08
Kit Part: Y
Responsible Party
Cage: 91224
Name: HACH CO.
Box: 389
City: LOVELAND CO 80539
Info Phone Number: 800-227-4224
Emergency Phone Number: 800-227-4224 OR 303-623-5716
Preparer's Name: UNKNOWN
Review Ind: Y
Published: Y

=====
Contractor Summary
=====

Cage: 4T252
Name: HACH COMPANY
Address: 100 DAYTON RD.
Box: 907
City: AMES IA 50010
Phone: 800-227-4224
Cage: 91224
Name: HACH COMPANY
Address: 5600 LINDBERGH DR
Box: 608
City: LOVELAND CO 80538
Phone: 970-669-3050/

=====
Item Description Information
=====

Item Manager: A12
Item Name: WATER QUALITY CONTROL SET
Specification Number: NONE
Type/Grade/Class: NONE
Unit of Issue: SE
UI Container Qty: UNKNOWN
Type of Container: UNKNOWN

=====
Ingredients
=====

Cas: 1317-65-3
RTECS #: EV9580000
Name: CALCIUM CARBONATE (MARBLE) (LIMESTONE)
% Wt: 100
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9394
=====

Health Hazards Data

LD50 LC50 Mixture: ORAL LD50 (RAT) IS UNKNOWN
Route Of Entry Inds - Inhalation: YES
Skin: NO
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: ACUTE: EXPOSURE MAY CAUSE EYE & RESPIRATORY TRACT IRRITATION. EXCESSIVE ORAL DOSES MAY CAUSE ALKALOSIS. CHRONIC: NONE SPECIFIED BY MANUFACTURER.
Explanation Of Carcinogenicity: NO INGREDIENTS OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Signs And Symptions Of Overexposure: EYES: BURNS, TEARING, PAIN, BLURRED VISION, REDNESS. INHALED: COUGHING, SNEEZING.
Medical Cond Aggravated By Exposure: NONE REPORTED.
First Aid: EYE/SKIN CONTACT-IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. FLUSH SKIN WITH LOTS OF WATER. REMOVE CONTAMINATED CLOTHES. INGESTED-IF CONSCIOUS, GIVE 1-2 GLASSES OF WATER. DO NOT INDUCE VOMITING! CALL PHYSICIAN IMMEDIAT ELY. INHALED: REMOVE TO FRESH AIR.

Handling and Disposal

Spill Release Procedures: SWEEP UP SPILL. AVOID BREATHING MATERIAL. DISSOLVE IN WATER. FLUSH DOWN DRAIN WITH EXCESS OF WATER.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
Handling And Storage Precautions: STORE TIGHTLY CLOSED IN A COOL, DRY PLACE.
Other Precautions: AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING.

Fire and Explosion Hazard Information

Fire Fighting Procedures: NONE SPECIFIED BY MANUFACTURER. DLA-: FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE CLOTHING INCLUDING POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard: MAY EMIT TOXIC FUMES OF CALCIUM OXIDE AND CARBON DIOXIDE IN FIRE.

Control Measures

Respiratory Protection: NONE NORMALLY REQUIRED. IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134 AND MANUFACTURER'S RECOMMENDATIONS.
Ventilation: PROVIDE ADEQUATE VENTILATION.
Protective Gloves: NONE NORMALLY REQUIRED.
Eye Protection: LAB GRADE GOGGLES
Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER. DLA-: EYE WASH STATION & SAFETY SHOWER.
Work Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.
Supplemental Safety and Health: KEY1=B3. CHANGE: 8745.

Physical/Chemical Properties

HCC: C1
B.P. Text: UNKNOWN
M.P/F.P Text: 1517F,825C
Decomp Text: 1517F,825C
Vapor Pres: UNKNOWN
Vapor Density: UNKNOWN
Spec Gravity: 2.711
Evaporation Rate & Reference: N/K (N-BUTYL ACETATE=1)
Solubility in Water: SLIGHT
Appearance and Odor: WHITE, ODORLESS POWDER.
Corrosion Rate: 0.0 IPY

=====
Reactivity Data
=====

Stability Indicator: YES
Stability Condition To Avoid: CONTACT WITH STRONG MINERAL ACIDS, FLUORINE,
MAGNESIUM WITH HYDROGEN.
Materials To Avoid: STRONG MINERAL ACIDS, FLUORINE, MAGNESIUM WITH HYDROGEN.
Hazardous Decomposition Products: CALCIUM OXIDE, CARBON DIOXIDE.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NONE SPECIFIED BY MANUFACTURER.

=====
Toxicological Information
=====

=====
Ecological Information
=====

=====
MSDS Transport Information
=====

=====
Regulatory Information
=====

=====
Other Information
=====

=====
Transportation Information
=====

Responsible Party Cage: 91224
Trans ID NO: 49298
Product ID: LIMESTONE
MSDS Prepared Date: 09/12/1993
Review Date: 10/28/1994
MFN: 8
Net Unit Weight: UNKNOWN
Multiple KIT Number: 0
Kit Part IND: Y
Review IND: Y
Unit Of Issue: SE
Container QTY: UNKNOWN
Type Of Container: UNKNOWN

=====
Detail DOT Information
=====

DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

=====
Detail IMO Information
=====

IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
=====

Detail IATA Information
=====

IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
=====

Detail AFI Information
=====

AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
=====

HAZCOM Label
=====

Product ID: LIMESTONE
Cage: 91224
Company Name: HACH COMPANY
Street: 5600 LINDBERGH DR
PO Box: 608
City: LOVELAND CO
Zipcode: 80538
Health Emergency Phone: 800-227-4224 OR 303-623-5716
Label Required IND: Y
Date Of Label Review: 10/28/1994
Status Code: C
Label Date: 10/28/1994
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None
Hazard And Precautions: EXPOSURE MAY CAUSE EYE & RESPIRATORY TRACT
IRRITATION. EXCESSIVE ORAL DOSES MAY CAUSE ALKALOSIS. STORE TIGHTLY CLOSED
IN A COOL, DRY PLACE. IN CASE OF SPILL: SWEEP UP SPILL. AVOID BREATHING
MATERIAL. DISSOLVE IN WATER. FLUSH DOWN DRAIN WITH EXCESS OF WATER. FIRST
AID: EYE/SKIN CONTACT-IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES.
CALL PHYSICIAN. FLUSH SKIN WITH LOTS OF WATER. REMOVE CONTAMINATED CLOTHES.
INGESTED-IF CONSCIOUS, GIVE 1-2 GLASSES OF WATER. DO NOT INDUCE VOMITING!
CALL PHYSICIAN IMMEDIATELY. INHALED: REMOVE TO FRESH AIR. TARGET ORGANS:
EYES, LUNGS.

=====
Disclaimer (provided with this information by the compiling agencies): This
information is formulated for use by elements of the Department of Defense.
The United States of America in no manner whatsoever expressly or implied
warrants, states, or intends said information to have any application, use
or viability by or to any person or persons outside the Department of
Defense nor any person or persons contracting with any instrumentality of
the United States of America and disclaims all liability for such use. Any
person utilizing this instruction who is not a military or civilian
employee of the United States of America should seek competent professional

advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.