

VILLAGE MARINE TEC -- CHEMICAL #3

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MSDS Safety Information  
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FSC: 4610  
NIIN: 01-266-7531  
MSDS Date: 04/14/1993  
MSDS Num: CLHHT  
Product ID: CHEMICAL #3  
MFN: 01  
Kit Part: Y  
Responsible Party  
Cage: 62144  
Name: VILLAGE MARINE TEC  
Address: 2000 W 135TH ST  
City: GARDENA CA 90249  
Info  
Phone Number: 310-516-9911  
Emergency Phone Number: 310-516-9911

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Item Description Information  
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Item Manager: S9C  
Item Name: PARTS KIT,WATER CHE  
Unit of Issue: KT  
UI Container Qty: Z

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Ingredients  
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Name: \*\*\* PROPRIETARY \*\*\*  
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Health Hazards Data  
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LD50 LC50 Mixture: RAT, INTRAVENOUS, LD50: 115 MG/KG.  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO  
Effects of Exposure: TARGET ORGANS: LUNGS. ACUTE EFFECTS: EYE, SKIN, AND  
GSTROINTESTINAL IRRITATION. CHRONIC: UNKNOWN.  
Explanation Of Carcinogenicity: SUSPECTED CANCER AGENT: NO. THIS PRODUCT IS NOT  
CONSIDERED A CARCINOGEN BY NTP, IARC, OR OSHA.  
Signs And Symptoms Of Overexposure: I

INHALATION OF DUST OR MISTS MAY CAUSE IRRITATION TO THE RESPIRATORY TRACT. EYE CONTACT MAY CAUSE IRRITATION OR BURNING SENSATION. REPEATED OR PROLONGED CONTACT WITH SKIN MAY CAUSE IRRITATION AT POINT OF CONTACT. INGESTION MAY CAUSE GASTROINTESTINAL TRACT IRRITATION. SKIN ABSORPTION SHOULD NOT OCCUR.

First Aid: IF SPILLED ON SKIN OR EYES, IMMEDIATELY DECONTAMINATION WITH RUNNING WATER. REMOVE EXPOSED/SOILED CLOTHING, D NOT CONTAMINATE EYES. VICTIM & RESCUERS MUST SEEK IMMEDIATE MEDICAL ATTENTION. IF CHEMICAL IS IN EYES, OPEN EYES WHILE UNDER GENTLE RUNNING WATER. USE SUFFICIENT FORCE TO OPEN EYELIDS. ROLL EYES. FLUSH FOR 15 MINS. IF CHEMICAL IS INHALED, REMOVE VICTIM TO FRESH AIR & USE ARTIFICIAL RESPIRATION TO SUPPORT VITAL FUNCTIONS. REMOVE OR COVER GROSS CONTAMINATION TO AVOID EXPOSURE TO RESCUERS. IF CHEMICAL IS SWALLOWED, RINSE MOUTH WITH WATER. GIVE VICTIM 2-3 GLASSES OF WATER TO DRINK TO DILUTE THE MATERIAL.

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#### Handling and Disposal

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Spill Release Procedures: NOTIFY SAFETY PERSONNEL OF SODIUM METABISULFITE SPILLS. PROVIDE ADEQUATE VENTILATION. CLEAN-UP PERSONNEL NEED PROTECTION AGAINST INHALATION OF DUST OR MIST. MINIMUM (RUBBER GLOVES & RUBBER APRON, SPLASH GOGGLES OR SAFETY GLASSES). SWEEP UP OR VACUUM MATERIAL, AVOIDING DUSTING CONDITIONS, & PLACE IT IN AN APPROPRIATE CONTAINER FOR RECLAMATION OR DISPOSAL. " SEE OTHER INFO"

Waste Disposal Methods: WASTE DISPOSAL MAY BE IN ACCORDANCE WITH APPROPRIATE FEDERAL, STATE & LOCAL REGULATIONS. THIS CHEMICAL, IF UNALTERED BY THE HANDLING, MAY BE DISPOSED OF BY TREATMENT AT A PERMITTED FACILITY OR AS ADVISED BY YOUR LOCAL HAZARDOUS WASTE REGULATORY AUTHORITY.

Handling And Storage Precautions: STORE SODIUM METABISULFITE IN CLOSED CONTAINERS IN A COOL, DRY, WELL-VENTILATED AREA SEPARATE FROM OXIDIZING AGENTS, ACIDS, AND MOISTURE. PROTECT IT FROM PHYSICAL DAMAGE.

Other Precautions: USE GOOD HOUSEKEEPING PRACTICES TO PREVENT ACCUMULATION OF DUST OR SOLUTION MIST. DO NOT BREATHE DUSTS OR MISTS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. MINIMIZE CONTACT WITH SKIN BY WEARING PROPER GLOVES AND APRON AND FOLLOW GOOD PERSONAL HYGIENE. DO NOT INGEST THIS MATERIAL. KEEP IN TIGHTLY CLOSED CONTAINER.

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#### Fire and Explosion Hazard Information

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Flash Point Text: NONFLAMMABLE

Extinguishing Media: AVOID USING WATER UNLESS FLOODING AMOUNTS ARE USED;  
OTHERWISE USE CARBON DIOXIDE, DRY CHEMICAL, OR DRY SAND.

Fire Fighting Procedures: FIRE FIGHTERS MUST USE SELF CONTAINED BREATHING  
APPARATUS AND WEAR FULLY PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard: TEMPERATURES ABOVE 302F(150C) CAUSE THIS  
MATERIAL TO DECOMPOSE, YIELDING TOXIC & CORROSIVE SULFUR DIOXIDE GAS  
& SODIUM SULFIDE. THE LATER IS AN EXPLOSIVE HAZARD  
AND IS STRONGLY  
ALKALINE WHEN IT IS IN THE PRESENCE OF WATER.

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Control Measures

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Respiratory Protection: USE NIOSH APPROVED RESPIRATORS IF VENTILATION IS  
INADEQUATE TO CONTROL DUSTS OR MISTS.

Ventilation: USE WITH ADEQUATE VENTILATION. USE A MECHANICAL FAN OR VENT AREA  
TO OUTSIDE.

Protective Gloves: WEAR CHEMICALLY IMPERVIOUS GLOVES WHICH ARE RESISTANT TO  
BASIC MATERIALS.

Eye P

rotection: SAFETY GLASSES SHOULD ALWAYS BE WORN. SPLASH GOGGLES OR  
FACESHIELD.

Other Protective Equipment: WEAR A CHEMICALLY RESISTANT APRON AND BOOTS TO  
PREVENT SPLASHES FROM CONTACTING THE BODY. EYE WASH STATION & WASHING  
FACILITIES SHOULD BE AVAILABLE TO AREAS OF USE & HANDLING.

Work Hygienic Practices: AVOID GETTING CHEMICALS ON YOU OR IN YOU. WASH HANDS  
AFTER HANDLING CHEMICALS. DO NOT EAT OR DRINK WHILE HANDLING CHEMICALS.

Supplemental Safety and Health: ITEM IS A THREE PART KIT. S

EE MSDS SERIAL#

CLHGW AND CLHHF. END ITEM IDENTIFICATION: 1095-00-270-6019.

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Physical/Chemical Properties

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HCC: C3

Boiling Point: =150.6C, 303.F

B.P. Text: DECOMPOSES

Melt/Freeze Pt: =150.C, 302.F

M.P/F.P Text: DECOMPOSES

Spec Gravity: 1.4

PH: 4.3 (1% SOLN)

Solubility in Water: @16C, 30

Appearance and Odor: WHITE POWDER OR CRYSTALS. PUNGENT SULFUR DIOXIDE ODOR.

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Reactivity Data  
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Stability Indicator: YES

Materials To Avoid: BASES, STRONG OXIDIZING MATERIALS.

Hazardous Decomposition Products: AVOID CONTACT WITH INCOMPATIBLE MATERIALS.

HEAT FROM FIRE MAY CAUSE PRODUCT TO DECOMPOSE, PRODUCING TOXIC GASES.

Hazardous Polymerization Indicator: NO  
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Toxicological Information  
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Toxicological Information: SODIUM METABISULFITE: RAT, ORAL, TDLO: 20 MG/KG  
(MILTIGENERATION).  
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Ecological Information  
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MSDS Transport Information  
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Transport Information: DOT CLASS: ORM-B. UN REGISTER: NA2693.  
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Regulatory Information  
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State Regulatory Information: CAL/  
OSHA: NO.  
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Other Information  
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Other Information: SPILL: ABSORB SPILLED LIQUID ON VERMICULITE OR DRY SAND.  
CAUTIOUSLY FLUSH RESIDU WITH A LARGE AMOUNT OF WATER. SULFUR DIOXIDE FUMES  
CAN BE GENERATED ON CONTACT WITH WATER. \*\*\*RECOMMENDATIONS TO PHYS ICIANS:  
TREAT S

YMPTOMS OF EXPOSURE TO PRODUCT INGREDIENTS. \*\*\*\*PRECAUTIONARY  
MEASURES: USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. THIS  
MATERIAL RELEASES SULFUR DIOXIDE GAS SLOWLY A T AMBIENT TEMPERATURES.  
\*\*\*\*\*EYE PROTECTION: CONTACT LENSES POSE A SPECIAL HAZARD, SOFT LENSES MAY  
ABSORB IRRITANTS & ALL LENSES MAY CONCENTRATE THEM.  
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Transportation Information  
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Responsible

Party Cage: 62144  
Trans ID NO: 158063  
Product ID: CHEMICAL #3  
MSDS Prepared Date: 04/14/1993  
Review Date: 07/31/2001  
MFN: 1  
Multiple KIT Number: 0  
Kit Part IND: Y  
Review IND: Y  
Unit Of Issue: KT  
Container QTY: Z

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Detail DOT Information  
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DOT PSN Code: ZZZ  
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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IMO Information  
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IMO PSN Code: ZZZ  
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
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Detail IATA Information  
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IATA PSN Code: ZZZ  
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail AFI Information  
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AFI PSN Code: ZZZ  
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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HAZCOM Label  
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Product ID: CHEMICAL #3  
Cage: 62144  
Company Name: VILLAGE MARINE TEC  
Street: 2000 W 135TH ST  
City: GARDENA CA  
Zipcode: 90249  
Health Emergency Phone: 310-516-9911  
Label Required IND: Y  
Date Of Label Review: 07/31/2001  
Status Code: A  
Origination Code: F  
Eye P

rotection IND: YES  
Skin Protection IND: YES  
Signal Word: CAUTION  
Respiratory Protection IND: YES  
Health Hazard: Slight  
Contact Hazard: Slight  
Fire Hazard: None  
Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: LUNGS. PRODUCT MAY CAUSE IRRITATION AT POINT OF CONTACT. ACUTE EFFECTS: EYE, SKIN, AND GSTROINTESTINAL IRRITATION.

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