

BIO SCIENTIFIC CORP -- CHLORINATION KIT, CALCIUM HYPOCHLORITE -- 6850-00-270-6225
===== Product Identification =====

Product ID:CHLORINATION KIT, CALCIUM HYPOCHLORITE

MSDS Date:04/16/1991

FSC:6850

NIIN:00-270-6225

Kit Part:Y

MSDS Number: BJRDJ

=== Responsible Party ===

Company Name:BIO SCIENTIFIC CORP

Address:2999 ALL AMERICAN BLVD

City:ORLANDO

State:FL

ZIP:32810-4334

Country:US

Info Phone Num:30

5-291-1976

Emergency Phone Num:305-291-1976

Preparer's Name:VICKI MCCLURRY

CAGE:67007

=== Contractor Identification ===

Company Name:BIO SCIENTIFIC CORP

Address:2999 ALL AMERICAN BLVD

Box:City:ORLANDO

State:FL

ZIP:32810-4334

Country:US

Phone:305-291-1976

CAGE:67007

===== Composition/Information on Ingredients =====

Ingred Name:CALCIUM HYPOCHLORITE MIXTURE, DRY, WITH >39% AVAILABLE
CHLORINE

CAS:22464-76-2

RTECS #:NH3485500

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFI

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===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 850 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:THIS MATERIAL HAS THE POTENTIAL TO BE IMMEDIATELY DANGEROUS TO LIFE AND HEALTH. IRRITATING TO THE NOSE, MOUTH, THROAT, AND LUNGS. CAN BURN RESPIRATORY TRACT. HIGH CONCENTRATIONS OR CHRONIC SMALLER EXP OSURES CAN RESULT IN

PERMANENT LUNG DAMAGE. EXPOSURE TO EYE AND SKIN CAUSES SEVERE IRRITATION AND CAN RESULT IN DAMAGE.

Explanation of Carcinogenicity:CALCIUM HYPOCHLORITE IS NOT LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:SEVERE IRRITATION AND BURNING TO EXPOSED TISSUE OF EYES, SKIN, RESPIRATORY TRACT. INGESTION CAN BURN THE ENTIRE GASTROINTESTINAL TRACT INCLUDING THE STOMACH AND INTESTINES, RESULTING IN VOMITING, DIAR RHEA, BLEEDING AND/OR TISSUE ULCERATION. CAUSE

S SCAR TISSUE FORMATION.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF SKIN, CARDIOVASCULAR AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE. MATERIAL AGGRAVATES ANY SINUS OR BREATHING PROBLEM. CORROSIVE TO MUCOUS MEMBRANES.

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===== First Aid Measures =====

First Aid:EYE/SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESP

IRATION IF NEEDED INGESTION: GIVE LARGE QUANTITIES OF WATE R. DO NOT INDUCE VOMITING. GET MEDICALATTENTION. RELAUUNDER ANY EXPOSED CLOTHING BEFORE REUSE.

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===== Fire Fighting Measures =====

Extinguishing Media:USE WATER FOR, CARBON DIOXIDE, OR DRY CHEMICAL, AS APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACE SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WIT

H WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

===== Accidental Release Measures =====

Spill Release Procedures:PICK UP SPILLED MATERIAL AND PLACE IN CLEAN, DRY CONTAINER FOR DISPOSAL. IF SPILLED INTO WATER, MONITOR FOR AVAILABLE CHLORINE AND PH. STAY UPWIND OF SPILLS, IF POSSIBLE.

Neutralizing Agent:CONTACT MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT FROM PHYSICAL DAMAGE.

Other Precautions:MATERIAL IS A STRONG OXIDIZER. TAKE PRECAUTIONS. DO NOT RESUSE CONTAINER OR PLACE EXCESS MATERIAL WHICH MAY BE ORGANIC CONTAMINATED BACK INTO CONTAINER ONCE REMOVED. AVOID BREATHING OF DUST.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:USE LOCAL EXHAUST TO MINIMIZE DUST AND CHLORINE LEVELS. 10 AIR CHANGES PER HOUR IS RECOMMENDED.

Protective Gloves:NEOPRENE OR PVC

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE

WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

KEY1=D1. ITEM IS A KIT CONSISTING IF 100 TUBES OF CALCIUM HYPOCHLORITE (PNI A) AND 3 BOTTLES OF O-TOLIDENE DIHYDROCHLORIDE (PNI B) + 3 VIALS OF COLOR STANDARDS FOR 1,5,10 PPM CHLORINE EACH.

===== Physical/Chemical Proper

ties =====

HCC:D1

Solubility in Water:APPRECIABLE

Appearance and Odor:WHITE GRANULAR SOLID

Percent Volatiles by Volume:0 %

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ORGANIC MATERIALS IN GENERAL, SOLVENTS, ACIDS, ISOCYANURATES, STRONG OXIDIZERS.

Stability Condition to Avoid:HIGH TEMPERATURES ABOVE 350F RAPID DECOMPOSITION OCCURS.

Hazardous Decomposition Products:CHLORINE GAS AND HYDROGEN CHLORIDE

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===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. CONTAMINATED SPILL MATERIAL MAY BE A HAZARDOUS WASTE.

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