

HACH CO -- 220399, SULFITE 1 REAGENT -- 6810-01-200-8009

===== Product Identification =====

Product ID:220399, SULFITE 1 REAGENT

MSDS Date:11/20/2000

FSC:6810

NIIN:01-200-8009

Status Code:A

Kit Part:Y

MSDS Number: CLFPJ

=== Responsible Party ===

Company Name:HACH CO

Address:5600 LINDBERGH DR

Box:389

City:LOVELAND

State:CO

ZIP:80539-8902

Country:US

Info Phone Num:970-669-3050/800-227-4224

Emergenc

y Phone Num:303-623-5716

Resp. Party Other MSDS Num.:M00011

CAGE:91224

=== Contractor Identification ===

Company Name:BENTLY PACKING CORP

Address:3031WMILL RD

Box:City:MILWAUKEE

State:WI

ZIP:53209

Country:US

CAGE:0BGE6

Company Name:HACH CO

Address:5600 LINDBERGH DR

Box:389

City:LOVELAND

State:CO

ZIP:80539

Country:US

Phone:970-669-3050/ 303-623-5716

CAGE:91224

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

Ingred Name:POTASSIUM IODIDE

CAS:7681-11-0

RTECS #:TT2975000

> W

t:95.

Ingred Name:OTHER COMPONENT  
&lt; Wt:1.

Ingred Name:POTASSIUM CARBONATE  
CAS:584-08-7  
RTECS #:TS7750000  
&lt; Wt:5.

Ingred Name:STARCH  
CAS:9005-84-9  
&lt; Wt:5.  
OSHA PEL:15 MG/M3 (T DUST)  
ACGIH TLV:10 MG/M3 9T DUST)

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

LD50 LC50 Mixture:NO DATA FOR PRODUCT AS A WHOLE

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

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

Health Hazards Acute and Chronic:CAUSES EYE IRRITATION, MAY CAUSE SKIN

AND RESPIRATORY TRACT IRRITATION. EYE: CAUSES IRRITATION. SKIN ABSORPTION: NONE REPORTED. INGESTION: MAY CAUSE ABDOMINAL PAIN. MAY CAUSE IODISM, WHICH SYMPTOMS I NCLUDE SKIN RASH, CONJUNCTIVITIS, RUNNY NOSE , SNEEZING, BRONCHITIS, HEADACHE, FEVER AND IRRITATION OF MUCOUS MEMBRANES. INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION. CHRONIC EFFECTS: NONE REPOR TED.

Explanation of Carcinogenicity:THIS PRODUCT DOES NOT CONTAIN ANY OSHA NTP,OR IARC LISTED CARCINOGENS.

Effects of Overexposure:CAUSES EYE IRRITATION, MAY CAUSRE SKIN AND RESPIRATORY TRACT IRRITATION. EYE: CAUSES IRRITATION. INGESTION: MAY CAUSE ABDOMINAL PAIN. MAY CAUSE IODISM, WHICH SYMPTOMS INCLUDE SKIN RASH, CONJUNCTIVITI S, RUNNY NOSE , SNEEZING, BRONCHITIS, HEADACHE, FEVER AND IRRITATION OF MUCOUS MEMBRANES. INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN CONDITIONS.

=====

First Aid Measures =====

First Aid:EYE: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. SKIN: WASH SKIN WITH PLENTY OF WATER. INGESTION: GIVE LARGE QUANTITIES OF WATER. CALL PHYSICIAN IMMEDIATELY. INHALATION: REMOVE TO FRESH. GIVE ARTIFICIAL RESPIRATION IF NEXCESSARY. CALL PHYSICIAN.

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

Flash Point:NA  
Autoignition Temp:Autoignition Temp Text:NA  
Lower Limits:NA  
Upper Limits:NA

Extinguishing Media:DRY CHEMICAL. CARBON IOXIDE, ALCOHOL FOAM.  
Fire Fighting Procedures:AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND AND FULL PROTECTIVE GEAR.  
Unusual Fire/Explosion Hazard:MAY REACT VIOLENTLY WITH BROMINE TRIFLUORIDE.

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

Spill Release Procedures:SCOOP UP SPILLED MATERIAL INTO A LARGE BEAKER AND DISSOVE WITH WATER. FLUSH THE SPILLED MATERIAL TO THE DRAIN WITH A LARGE EXCESS OF WATER. DECONTAMNATE THE AREA OF THE SPILL WITH A WEAK ACID SOLUTION .  
Neutralizing Agent:WEAK ACID SOLUTION.

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

Handling and Storage Precautions:HANDLING: AVOID CONTACT WITH EYES SKIN. DO NOT BREATHE DUST. WASH THOROUGHLY AFTER HANDLING. MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICS WHEN USING THIS PRODUCT.  
STORAGE: PROTECT FROM MOISTURE. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.  
Other Precautions:  
NO DATA PROVIDED BY MANUFACTURER

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

Respiratory Protection:ADEQUATE VENTILATION.  
Ventilation:ADEQUATE VENTILATION.  
Protective Gloves:DISPOSABLE LATEX GLOVES  
Eye Protection:SAFETY GLASSES WITH TOP AND SIDE SHIELDS.  
Other Protective Equipment:LAB COAT. EYEWASH STATION.  
Work Hygienic Practices:MAINTAIN GENERIAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. AVOID CONTACT WITH EYES AND SKIN. DO NOT BREATHE DUST. WASH

THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

KIT/KIT PART ENABLED SINCE THIS NSN IS/CAN BE A PART OF A KIT (NSN 6850-01-423-1699 (SERIAL #: ZZZXK), A SUB-ASSEMBLY OF NSN 4160-01-371-1790 (SERIAL #: ZZZXJ)). HCC IS BASED ON THIS NSN AS STAND-ALONE KIT HCC IS C1.

===== Physical/Chemical Properties =====

HCC:B3

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:M.P/F.P Text:NA

Decomp Temp:=130.C, 266.F

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:2.97

pH

:9.4

Solubility in Water:SOLUBLE

Appearance and Odor:WHITE TO TAN POWDER OR CRYSTALS, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

ALKALOIDAL SALTS, METALIC SALTS, BROMINE TRIFLUORIDE, CHLORINE TRIFLUORIDE.

Stability Condition to Avoid:EXCESS MOISTURE. EXPOSURE TO AIR. HEATING TO DECOMPOSITION.

Hazardous Decomposition Products:TOXIC FUMES OF POTASSIUM OXIDE, IODINE, IODINE COMPOUNDS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:LD50: NONE REPORTED. LC50: NONE REPORTED.

DERMAL TOXICITY DATA: NONE REPORTED. SKIN AND EYE IRRITATION DATA: NONE REPORTED. REPRODUCTIVE EFFECTS DATA: NONE REPORTED. MUTATION DATA: NONE REPORTED. INGREDIENT TOXICOLOGICAL DATA: POTASSIUM IODIDE: ORAL MOUSE LD50 = 1862 MG/KG; POTASSIUM CARBONATE: ORAL RAT LD50 = 1870 MG/KG. NO TOXICOLOGICAL DATA AVAILABLE FOR

THE  
INGREDIENTS OF THIS PRODUCT.

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

Ecological:PRODUCT ECOLOGICAL INFORMATION: NO ECOLOGICAL DATA AVAILABLE FOR THIS PRODUCT. INGREDIENT ECOLOGICAL INFORMATION: NO ECOLOGICAL DATA AVAILABLE FOR THE INGREDIENTS OF THIS PRODUCT.

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

Waste Disposal Methods:DILUTE MATERIAL WITH EXCESS WATER MAKING A WEAKER THAN 5% SOLUTION. OPEN COLD WATER TAP COMPLETELY, SLOWLY  
POUR THE MATERIAL TO THE DRAIN. ALLOW COLD WATER TO RUN FOR 5 MINUTES TO COMPLETELY FLUSH THE SYSTEM. EMPTY CONTAINERS: RINSE THREE TIMES WITH AN APPROPRIATE SOLVENT. DISPOSE OF EMPTY CONTAINER AS NORMAL TRASH.

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

Transport Information:DOT PROPER SHIPPING NAME: NOT CURRENTLY REGULATED. ICAO: NOT CURRENTLY REGULATED. IMO: NOT CURRENTLY REGULATED.

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

SARA Title III Information:SECTION 311/312 CATEGORIZATION (40 CFR 370): IMMEDIATE (ACUTE) HEALTH HAZARD. SECTION 313 (40 CFR 372): THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF SARA. 302 (EHS) TPQ (40 CFR 355): NOT APPLICABLE. 304 CERCLA RQ (40 CFR 302.4): NOT APPLICABLE. 304 EHS RQ (40 CFR 355): NOT APPLICABLE.

Federal Regulatory Information:CLEAN WATER ACT (40 CFR 116.4): NOT APPLICABLE. RCRA: CONTAINS NO RCRA REGULATED SUBSTANCES. CPSC: NOT APPLICABLE. US INVENTORY STATUS: ALL INGREDIENTS IN THIS PRODUCT ARE LISTED ON THE TSCA 8(B) INVENTORY (40 CFR 710). TSCA CAS#: NOT APPLICABLE.

State Regulatory Information:CALIFORNIA PROPOSITION 65: NO CALIFORNIA PROPOSITION 65 LISTED CHEMICALS ARE PRESENT IN THIS PRODUCT. IDENTIFICATION OF CALIFORNIA PROPOSITION 65 INGREDIENT(S): NONE. TRADE SECRET REGISTRY: NOT APPLICABLE.

=====  
Other  
=====

=====

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 this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional  
advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.