

HACH CO. -- AMINO ACID F REAGENT

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

FSC: 4410
NIIN: 01-183-7442
MSDS Date: 06/07/1993
MSDS Num: BRKTY
Product ID: AMINO ACID F REAGENT
MFN: 01
Kit Part: Y
Responsible Party
Cage: 91224
Name: HACH CO.
Address: 5600 LINDBERGH DR
Box: 608
City: LOVELAND CO
80539
Info Phone Number: 800-227-4224
Emergency Phone Number: 303-623-5716
Proprietary Ind: Y
Review Ind: Y
Published: Y

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

Cage: 91224
Name: HACH CO
Address: 5600 LINDBERGH DR
Box: 389
City: LOVELAND CO 80539
Phone: 970-669-3050/ 303-623-5716

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

=====
Item Manager: S9C
Item Name: TEST KIT,SILICA
Unit of Issue: KT
UI Container Qty: Z
Type of Container: UNKNOWN

=====
Ingredients
=====

Name: *** PROPRIETARY ***

=====
Health Hazards Data
=====

LD50 LC50 Mixture: LD50, ORAL, RAT-1415 MG/KG
Route Of Entry

Inhalation: YES

Skin: NO

Ingestion: YES

OSHA: NO

Effects of Exposure: THIS PRODUCT MAY BE IRRITATING TO EYES, SKIN, RESPIRATORY TRACT, AND MAY CAUSE ALLERGIC RESPIRATORY TRACT REACTION. CHRONIC TOXICITY NOT DETERMINED.

Explanation Of Carcinogenicity: NONE SPECIFIED BY MANUFACTURER.

Signs And Symptoms Of Overexposure: CAUSES IRRITATION. INGESTION MAY CAUSE STOMACH IRRITATION, ABDOMINAL PAIN, DIARRHEA, VOMITING, HEADACHE, CIRCULATORY DISTURBANCES AND CENTRAL NERVOUS SYSTEM DEPRESSION. MAY CAUSE ALLERGIC RESPIRATORY REACTION IF SWALLOWED OR INHALED.

Medical Conditions Aggravated By Exposure: PRE-EXISTING EYE, SKIN AND RESPIRATORY TRACT CONDITIONS

First Aid: EYE AND SKIN CONTACT: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. WASH SKIN WITH SOAP AND PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY. CALL PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF WATER. CALL A PHYSICIAN IMMEDIATELY.

=====
Handling and Disposal

=====
Spill Release Procedures:

SCOOP SPILLED MATERIAL INTO A BEAKER AND DISSOLVE WITH WATER. NEUTRALIZE TO A PH BETWEEN 6 AND 9 WITH AN ALKALI SUCH AS SODA ASH. FLUSH NEUTRALIZED WASTE TO THE DRAIN WITH AN EXCESS OF WATER.

Neutralizing Agent: SODA ASH

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage

Precautions: AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT BREATHE DUST. WASH THOROUGHLY AFTER HANDLING.

Other Precautions: SULFITES ARE STRONG SENSITIZERS. INHALATION AND INGESTION MAY CAUSE ALLERGIC RESPIRATORY REACTIONS IN ASTHMATICS. PERSONS WITH RESPIRATORY CONDITIONS SHOULD TAKE SPECIAL CARE WHEN WORKING WITH PRODUCTS THAT CONTAIN SULFITES.

=====
Fire and Explosion Hazard Information

=====
Extinguishing Media:

DRY CHEMICAL, ALCOHOL FOAM OR CARBON DIOXIDE.

Fire Fighting Procedures: NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard: MAY REACT WITH OXIDIZERS. MAY EMIT TOXIC FUMES IN FIRE. CONTACT WITH WATER OR ACID PRODUCES CORROSIVE FUMES.

=====
Control Measures

=====
Respiratory Protection:

NONE SPECIFIED BY MANUFACTURER.

Ventilation: MECH(GEN)OR LOCAL EX

HAUST THAT PROVIDES ADEQUATE VENTILATION

Protective Gloves: DISPOSAL LATEX GLOVES

Eye Protection: LAB GRADE GOGGLES

Other Protective Equipment: SAFETY SHOWER, EYE WASH STATION

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health: KEY 1: HCC IS T-6 FOR THIS ITEM. THIS ITEM IS
PN IND A OF 3 PART KIT. SEE THIS NSN AND CAGE FOR INFORMATION OF PN IND B AND
PN IND C.

=====

Physical/Chemical Properties

=====

=====

HCC: T6

M.P/F.P Text: >302F,>150C

Spec Gravity: 1.48

PH: 4.3

Solubility in Water: APPRECIABLE

Appearance and Odor: WHITE TO TAN POWDER. NO ODOR.

=====

Reactivity Data

=====

Stability Condition To Avoid: CONTACT WITH STEAM, PROLONGED EXPOSURE TO AIR.
PROLONGED EXPOSURE TO AIR WILL DECOMPOSE PRODUCT.

Materials To Avoid: ACIDS AND OXIDIZERS.

Hazar

dous Decomposition Products: TOXIC FUMES OF SULFUR OXIDES AND SODIUM
OXIDE. CONTACT WITH WATER OR ACID PRODUCES CORROSIVE FUMES.

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: 113482

Product ID: AMINO ACID F REAGENT

MSDS Prepared Date: 06/07/1993

Review Date: 08/23/1993

MFN: 1

Tech Entry NOS Shipping Nm: SODIUM HYDROGEN SULFITE, POWDER >90%

Multiple KIT Number: 0

Kit Part IND: Y

Review IND: Y

Unit Of Issue: KT

Container QTY: Z

Type Of Container: UNKNOWN

Additional Data: THIS ITEM IS PN IND A OF 3 PART KIT. IT IS CORROSIVE, WHITE OR TAN, CRYSTALLINE POWDER. NO NAME FOR SODIUM HYDROGEN SULFITE SOLID IN IMO

& IATA. NAME HAS BEEN GIVEN BECAUSE OF NATURE OF THIS ITEM BEING CORROSIVE. SEE PN IND B AND C FOR ADDITIONAL INFO. FOR KIT.

=====

Detail DOT Information

=====

DOT PSN Code: DXA

Symbols: G

DOT Proper Shipping Name: CORROSIVE SOLIDS, N.O.S.

Hazard Class: 8

UN ID Num: UN1759

DOT Packaging Group: III

Label: CORROSIVE

Packaging Exception: 154

Non Bulk Pack: 213

Bulk Pack: 240

Max Qty Pas

s: 25 KG

Max Qty Cargo: 100 KG

Vessel Stow Req: A

=====

Detail IMO Information

=====

IMO PSN Code: ESJ

IMO Proper Shipping Name: CORROSIVE SOLID, N.O.S. o

IMDG Page Number: 8151

UN Number: 1759

UN Hazard Class: 8

IMO Packaging Group: I/II/III

Subsidiary Risk Label: -

EMS Number: 8-15

MED First Aid Guide NUM: 760

=====

Detail IATA Information

=====

=====
IATA PSN Code: HMK
IATA UN ID Num: 1759
IATA Proper Shipping Name: CORROSIVE SOLID, N.O.S. *
IATA UN Class: 8
IATA Label: CORROSIVE
UN Packing Group: III
Packing Note Passenger: 822
Max Quant Pass: 25KG
Max Quant Cargo: 100KG
Packaging Note Cargo: 823
=====

=====
Detail AFI Information
=====

AFI PSN Code: HMK
AFI Symbols: *
AFI Proper Shipping Name: C
CORROSIVE SOLID, N.O.S.
AFI Hazard Class: 8
AFI UN ID NUM: UN1759
AFI Packing Group: III
Special Provisions: P5
Back Pack Reference: A12.4
=====

=====
HAZCOM Label
=====

Product ID: AMINO ACID F REAGENT
Cage: 91224
Company Name: HACH CO
Street: 5600 LINDBERGH DR
PO Box: 389
City: LOVELAND CO
Zipcode: 80539
Health Emergency Phone: 303-623-5716
Label Required IND: Y
Date Of Label Review: 08/23/1993
Status
Code: C
Label Date: 08/23/1993
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: WARNING
Respiratory Protection IND: YES
Health Hazard: Moderate
Contact Hazard: Moderate
Fire Hazard: None
Reactivity Hazard: Slight
Hazard And Precautions: THIS PRODUCT MAY BE IRRITATING TO EYES, SKIN,
RESPIRATORY TRACT, AND MAY CAUSE ALLERGIC RESPIRATORY TRACT REACTION. CHRONIC
TOXICITY NOT DETERMINED. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT
BREATHE DUST. WASH THO

ROUGHLY AFTER HANDLING. FIRST AID: EYE AND SKIN

CONTACT: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL PHYSICIAN.
WASH SKIN WITH SOAP AND PLENTY OF WATER. INHALATION: RE MOVE TO FRESH AIR.
GIVE ARTIFICIAL RESPIRATION IF NECESSARY. CALL PHYSICIAN. INGESTION: DO NOT
INDUCE VOMITING. GIVE 1-2 GLASSES OF WATER. CALL A PHYSICIAN IMMEDIATELY.

=====
Disclaimer (provided with this information by the compiling agencies): This
informatio

n 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 militar

y 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.