

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 8  
0539  
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

Inds - 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 Condition 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.

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Handling and Disposal

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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.

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Fire and Explosion Hazard Information

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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.

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Control Measures

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Respiratory Protection: NONE SPECIFIED BY MANUFACTURER.  
Ventilation: MECH(GEN)OR LOCAL EXH  
AUST 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.

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Physical/Chemical Properties

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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.

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Reactivity Data

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

Hazard

ous 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.

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Toxicological Information

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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Information

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Transportation Information

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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.

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Detail DOT Information

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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 Pass

: 25 KG  
Max Qty Cargo: 100 KG  
Vessel Stow Req: A

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Detail IMO Information

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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

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Detail IATA Information

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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

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Detail AFI Information

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AFI PSN Code: HMK  
AFI Symbols: \*  
AFI Proper Shipping Name: CO  
RROSIVE 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

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HAZCOM Label

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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 THOR  
OUGHLY 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.

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