DOD Hazardous Material Information (ANSI Format)
For Cornell University Convenience Only

KOVAC'S REAGENT

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Section 1 - Product and Company Identification

Product Identification: KOVAC'S REAGENT
Date of MSDS: 01/01/1987 Technical Review Date: 04/06/1988
FSC: 6810 NIIN: LIIN: 00F006266
Submitter: F BT
Status Code: C
MFN: 01
Article: N
Kit Part: N
Manufacturer's Information

Manufacturer's Name: AMERICAN MICROSCAN/SACRAMENTO, CA 95819
Manufacturer's Address1: 
Manufacturer's Address2: N/P, NK 00000 
Manufacturer's Country: NK 
General Information Telephone: 
Emergency Telephone: (916) 739-6033 
Emergency Telephone: (916) 739-6033 
MSDS Preparer's Name: N/P
Proprietary: N 
Reviewed: Y 
Published: Y 
CAGE: OOO14 
Special Project Code: N

Contractor Information

Contractor's Name: AMERICAN MICROSCAN
Post Office Box: N/K
Contractor's Address1: 855 57TH STREET
Contractor's Address2: SACRAMENTO, CA 95819
Contractor's Telephone: (916) 739-6033
Contractor's CAGE: OOO14

Section 2 - Compositon/Information on Ingredients

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Ingredient Name: HYDROCHLORIC ACID
Ingredient CAS Number: Ingredient CAS Code: X
RTECS Number: MN4025000 RTECS Code: M
=WT: =WT Code: 
=Volume: =Volume Code: 
>WT: >WT Code: 
>Volume: >Volume Code: 
<WT: <WT Code: 
<Volume: <Volume Code: 
% Low WT: % Low WT Code: 
% High WT: % High WT Code: 
% Low Volume: % Low Volume Code: 
% High Volume: % High Volume Code: 
% Text: 13%
% Environmental Weight: 
Other REC Limits: N/P
OSHA PEL: N/P OSHA PEL Code: 
OSHA STEL: OSHA STEL Code: 
ACGIH TLV: 5 PPM ACGIH TLV Code: M
ACGIH STEL: N/P ACGIH STEL Code: 
EPA Reporting Quantity: 
DOT Reporting Quantity: 
Ozone Depleting Chemical: 

http://msds.pdc.cornell.edu/msds/msdsdod/a218/m108902.htm
Ingredient Name: ISOAMYL ALCOHOL (PRIMARY & SECONDARY)
Ingredient CAS Number: 123-51-3 Ingredient CAS Code: M
RTECS Number: EL5425000 RTECS Code: M
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: 60%
% Environmental Weight:
Other REC Limits: N/P
OSHA PEL: 100 PPM/125 STEL OSHA PEL Code: M
OSHA STEL: OSHA STEL Code:
ACGIH TLV: 100 PPM/125 STEL 94 ACGIH TLV Code: M
ACGIH STEL: N/P ACGIH STEL Code:
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical: N

Ingredient Name: P-(DIMETHYLAMINO)BENZALDEHYDE
Ingredient CAS Number: 100-10-7 Ingredient CAS Code: M
RTECS Number: CU5775000 RTECS Code: M
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: 10%
% Environmental Weight:
Other REC Limits: N/P
OSHA PEL: N/P OSHA PEL Code:
OSHA STEL: OSHA STEL Code:
ACGIH TLV: N/K ACGIH TLV Code: M
ACGIH STEL: N/P ACGIH STEL Code:
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical: N

Ingredient Name: WATER
Ingredient CAS Number: 7732-18-5 Ingredient CAS Code: M
Section 3 - Hazards Identification, Including Emergency Overview

Health Hazards Acute & Chronic: N/P

Signs & Symptoms of Overexposure:
LIQUID OR VAPOR MAY IRRITATING TO EYES/SKIN/MUCOUS MEMBRANES & GASTROINTESTINAL TRACT.

Medical Conditions Aggravated by Exposure:
N/P

LD50 LC50 Mixture: N/P

Route of Entry Indicators:
  Inhalation: N/P
  Skin: N/P
  Ingestion: N/P

Carcinogenicity Indicators
  NTP: N/P
  IARC: N/P
  OSHA: N/P

Carcinogenicity Explanation: N/P
First Aid:
EYES/SKIN: WASH W/PLENTY OF WATER FOR AT LEAST 15 MINS & GET MED ATTN.
INGESTION: GIVE PLENTY OF WATER TO DRINK, IF CONSCIOUS. CALL PHYSICIAN.
INHALATION: REMOVE FROM EXPOSURE. GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED/CALL PHYSICIAN.

Section 5 - Fire Fighting Measures
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Fire Fighting Procedures:
WEAR SCBA & FULL PROTECTIVE CLOTHING.

Unusual Fire or Explosion Hazard:
IRRITATING/CORROSIVE HCI GAS/POTENTIALLY CARCINOGENIC FUMES RELEASED WHEN HEATED.

Extinguishing Media:
CO2, DRY CHEMICAL

Flash Point: Flash Point Text: UNTESTED

Autoignition Temperature:
Autoignition Temperature Text: N/A
Lower Limit(s): 1.2%
Upper Limit(s): 9%

Section 6 - Accidental Release Measures
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Spill Release Procedures:
WEARING SUITABLE PROTECTIVE EQUIPMENT & CLOTHING, ABSORB SUBSTANCE ONTO ABSORBANT MARIAL SUCH AS VERMICULITE. NEUTRALIZE. WASH SPILL AREA WELL WITH SOAP & WER.

Section 7 - Handling and Storage
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Handling and Storage Precautions:

Other Precautions:

Section 8 - Exposure Controls & Personal Protection
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Respiratory Protection:
APPROVED ORGANIC VAPOR CANISTER MASK OR SCBA.

Ventilation:
PROVIDE LOCAL EXHAUST VENTILATION TO KEEP Protective Gloves:
IMPERVIOUS

Eye Protection: SAFETY GOGGLES

Other Protective Equipment: CLOTHES AS NECESSARY TO PREVENT SKIN EXPOSURE.

EYEWASH.
Work Hygenic Practices: N/P
Supplemental Health & Safety Information: MSDS DATE: 10/84

Section 9 - Physical & Chemical Properties
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HCC:
NRC/State License Number:
Net Property Weight for Ammo:
Boiling Point: Boiling Point Text: 180F
Melting/Freezing Point: Melting/Freezing Text: N/A
Decomposition Point: Decomposition Text: N/A
Vapor Pressure: 27 Vapor Density: 2.5
Percent Volatile Organic Content:
Specific Gravity: 1.1
Volatile Organic Content Pounds per Gallon:
pH: N/P
Volatile Organic Content Grams per Liter:
Viscosity: N/P
Evaporation Weight and Reference: NOT TESTED
Solubility in Water: COMPLETE
Appearance and Odor: COLORLESS TO LIGHT YELLOW LIQUID; PUNGENT ODOR.
Percent Volatiles by Volume: 90%
Corrosion Rate: N/P

Section 10 - Stability & Reactivity Data
KOVAC'S REAGENT

Stability Indicator: YES
Materials to Avoid:
STRONG OXIDIZERS AND STRONG CAUSTICS
Stability Condition to Avoid:
EXCESSIVE HEAT
Hazardous Decomposition Products:
HCl GAS. TOXIC POX GAS, AMYL ALCOHOL VAPOR-CARCINOCEN.
Hazardous Polymerization Indicator: NO
Conditions to Avoid Polymerization:
N/K

Section 11 - Toxicological Information
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Toxicological Information:
N/P

Section 12 - Ecological Information
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Ecological Information:
N/P

Section 13 - Disposal Considerations

http://msds.pdc.cornell.edu/msds/msdsdod/a218/m108902.htm 10/5/2004
Waste Disposal Methods:
CONTRACT FOR REMOVAL TO LANDFILL W/EPA-APPROVED VENDOR. ALTERNATIVELY, MIX W/FLAMMABLE SOLVENT & INCINERATE. FOLLOW FEDERAL, STATE & LOCAL REGULATIONS.

Section 14 - MSDS Transport Information
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Transport Information:
N/P

Section 15 - Regulatory Information
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SARA Title III Information:
N/P
Federal Regulatory Information:
N/P
State Regulatory Information:
N/P

Section 16 - Other Information
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Other Information:
N/P

HAZCOM Label Information

Product Identification: KOVAČ'S REAGENT
CAGE: OOO14
Assigned Individual: Y
Company Name: AMERICAN MICROSCAN
Company PO Box: N/K
Company Street Address1: 855 57TH STREET
Company Street Address2: SACRAMENTO, CA 95819 NK
Health Emergency Telephone: 916) 739-6033
Label Required Indicator: Y
Date Label Reviewed: 12/16/1998
Status Code: C
Manufacturer's Label Number:
Date of Label: 12/16/1998
Year Procured: N/K
Organization Code: G
Chronic Hazard Indicator: N/P
Eye Protection Indicator: N/P
Skin Protection Indicator: N/P
Respiratory Protection Indicator: N/P
Signal Word: N/P
Health Hazard:
Contact Hazard:
Fire Hazard:
Reactivity Hazard:

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