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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: 00014
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: 00014

Section 2 - Composition/Information on Ingredients KOVAC'S REAGENT

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: 2 0 Td (W)Tj 12 0 Td (T)Tj 8.04 0 Td (:)Tj 4.013.56 Td (=)Tj 6.72 0 T

Ingredient Name: ISOAMYL ALCOHOL (PRIMARY &

RTECS Number: ZC0110000 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: 17%
% Enviromental 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

Section 3 - Hazards Identification, Including Emergency Overview
KOVAC'S REAGENT

Health Hazards A

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
KOVAC'S REAGENT

Fire Fighting Procedures:

WEAR SCBA & FULL PROTECTIVE CLOTHING.

Unusual Fire or Explosion Hazard:

IRRITATING/CORROSIVE HCl 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
KOVAC'S REAGENT

Spill Release Procedures:

WEARING SUITABLE PROTECTIVE EQUIPMENT & CLOTHING, ABSORB SUBSTANCE ONTO ABSORBANT MATERIAL SUCH AS VERMICULITE. NEUTRALIZE. WASH SPILL AREA WELL WITH SOAP & WATER.

Section 7 - Handling and Storage
KOVAC'S REAGENT

Handling and Storage Precautions:**Other Precautions:**

Section 8 - Exposure Controls & Personal Protection
KOVAC'S REAGENT

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 Hygienic Practices: N/P

Supplemental Health & Safety Information: MSDS DATE: 10/84

**Section 9 - Physical & Chemical Properties
KOVAC'S REAGENT**

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-CARCINOGEN.

Hazardous Polymerization Indicator: NO

Conditions to Avoid Polymerization:

N/K

**Section 11 - Toxicological Information
KOVAC'S REAGENT**

Toxicological Information:

N/P

**Section 12 - Ecological Information
KOVAC'S REAGENT**

Ecological Information:

N/P

Section 13 - Disposal Considerations

KOVAC'S REAGENT

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 KOVAC'S REAGENT

Transport Information:

N/P

Section 15 - R

Reactivity Hazard:

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