

BIOMERIEUX VITEK INC -- KOVACS REAGENT -- 6550-01-153-6991

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

Product ID:KOVACS REAGENT

MSDS Date:02/26/1997

FSC:6550

NIIN:01-153-6991

MSDS Number: BVQCS

=== Responsible Party ===

Company Name:BIOMERIEUX VITEK INC

Address:595 ANGLUM DR

City:HAZELWOOD

State:MO

ZIP:63042-2320

Country:US

Info Phone Num:800-638-4835

Emergency Phone Num:314-854-0344 OR LOCAL POISON CENTE

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CAGE:BIOM1

=== Contractor Identification ===

Company Name:BIOMERIEUX VITEK INC

Address:595 ANGLUM DR

City:HAZELWOOD

State:MO

ZIP:63042

Country:US

Phone:800-638-4835

CAGE:BIOM1

Company Name:BIOMERIEUX VITEK, INC.

Address:595 ANGLUM DRIVE

Box:City:HAZELWOOD

State:MO

ZIP:63042

Country:US

Phone:800-638-4835

CAGE:4S002

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

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA 302/313)
(CERCLA)

CAS:7647-01-0

RTECS #:MW4025000

Fraction by Wt: 24%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 5 PPM
ACGIH TLV:C 5 PPM; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:P-DIMETHYLAMINO BENZALDEHYDE
CAS:100-10-7
RTECS #:CU5775000
Fraction by Wt: 5%
Other REC Limits:NONE RECOMMENDED

Ingred Name:AMYL ALCOHOL
CAS:71-41-0
RTECS #:SB9800000
Fraction by Wt: 71%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) 2200 MG/KG (N-PENTYL AL)
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION MAY CAUSE SEVERE IRRITATION TO MUCOUS MEMBRANES AND RESPIRATORY TRACT, PULMONARY EDEMA. CONTACT WITH SKIN MAY CAUSE SEVERE IRRITATION AND CHEMICAL BURNS. CONTACT WITH EYES MAY CAUSE SEVERE IRRITATION AND BURNS LEADING TO PERMANENT DAMAGE AND POSSIBLE BLINDNESS. INGESTION MAY CAUSE SEVERE BURNS AND CNS EFFECT

Explanation of
f Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexposure:MUCOUS MEMBRANE IRRITATION, RESPIRATORY TRACT IRRITATION, COUGHING, BURNING OF NOSE AND THROAT, HEADACHE, DIZZINESS, NARCOSIS, SHORTNESS OF BREATH, CHEST PAIN, PULMONARY EDEMA, SKIN IRRITATION/BURNS, EYE IRRITATION, BLINDNESS, BURNS TO MOUTH/THROAT/GASTROINTESTINAL TRACT, DIZZINESS, NAUSEA, VOMITING, DIARRHEA

A, COLLAPSE

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND/OR
RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS
PRODUCT.

===== First Aid Measures =====

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS
OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING.
WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL
ATTENTION. IN HALATION: REMOVE TO FRESH AIR. RESTORE BREATHING. GET

MEDICAL ATTENTION. INGESTION: GIVE WATER OR MILK TO DRINK. DO NOT
INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point:SEE SUPP'L DATA

Autoignition Temp:Autoignition Temp Text:572F

Lower Limits:1.2 %

Upper Limits:10.0 %

Extinguishing Media:WATER FOG, DRY CHEMICAL, CARBON DIOXIDE,
ALCOHOL-RESISTANT FOAM

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &
FULL PROTECTIVE EQUIPMENT WHEN FIGHTING

CHEMICAL FIRE. USE WATER

SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:N-PENTYL ALCOHOL IS FLAMMABLE AND FORMS
EXPLOSIVE MIXTURES WITH AIR. WILL REACT WITH MOST METALS RELEASING
HYDROGEN GAS.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION. EVACUATE AREA.
WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT. CONTAIN SPILL. STOP LEAK
IF CAN DO SO WITHOUT RISK. ABSORB LIQUID WITH

SUITABLE ABSORBENT

MATERIAL. COLLECT FOR DISPOSAL.

Neutralizing Agent:SODIUM BICARBONATE SOLUTION

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE WITH
ADEQUATE VENTILATION. KEEP AWAY FROM OPEN FLAMES AND HIGH
TEMPERATURES. KEEP AWAY FROM ALL SOURCES OF IGNITION.

Other Precautions:AVOID CONTACT WITH EYES, SKIN AND CLOTHING. LAUNDER
CONTAMINATED CLOTHING BEFORE REUSE. AVOID BREATHING VAPOR. PROHIBIT

SMOKING IN STORAGE AND USE AREAS.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION TO MAINTAIN EXPOSURE LEVELS.

Protective Gloves:BUTYL RUBBER

Eye Protection:SAFETY GLASSES OR GOGGLE

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Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO AVOID SKIN CONTACT. AN EMERGENCY EYE WASH STATION AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

THE FLASH POINT IS ESTIMATED AT