

SHERWOOD MEDICAL CO ANALYTAB PRODUCTS DIVISION -- 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: BGPFN

=== Responsible Party ===

Company Name:SHERWOOD MEDICAL CO ANALYTAB PRODUCTS DIVISION

Address:200 EXPRESS ST (NOW BIOMERIEUX VITEK)

City:PLAINVIEW

State:NY

ZIP:11803-2469

Country:US

Info P

hone Num:800-645-7034/314-241-5700

Emergency Phone Num:800-645-7034/800-424-9300(CHEMTREC)

Preparer's Name:JUDY

CAGE:55194

=== Contractor Identification ===

Company Name:BIOMERIEUX VITEK, INC.

Address:595 ANGLUM DRIVE

Box:City:HAZELWOOD

State:MO

ZIP:63042

Country:US

Phone:800-638-4835

CAGE:4S002

Company Name:SHERWOOD MEDICAL CO ANALYTAB PRODUCTS DIVISION

Address:200 EXPRESS ST

Box:City:PLAINVIEW

State:NY

ZIP:11803-2469

Country:US

Phone:800-645-7034/800-424-9300(CHEMTREC)

CAGE:55194

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= Composition/Information on Ingredients =====

Ingred Name:P-DIMETHYLAMINO BENZALDEHYDE  
CAS:100-10-7  
RTECS #:CU5775000  
Fraction by Wt: 5.5%  
Other REC Limits:NONE ESTABLISHED  
OSHA PEL:NONE ESTABLISHED  
ACGIH TLV:NONE ESTABLISHED

Ingred Name:HYDROGEN CHLORIDE (HYDROCHLORIC ACID) (SARA III)  
CAS:7647-01-0  
RTECS #:MW4025000  
Fraction by Wt: 27.8%  
Other REC Limits:NONE DETERMINED  
OSHA PEL:C 5 PPM  
ACGIH TLV:C 5 PPM; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:AMYL ALCOHOL  
CAS:  
71-41-0  
RTECS #:SB9800000  
Fraction by Wt: 66.7%  
Other REC Limits:NONE ESTABLISHED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION OF VAPORS OR MIST MAY CAUSE SEVERE IRRITATION TO THE MUCOUS MEMBRANES & RESPIRATORY TRACT, & PULMONARY EDEMA, WHICH MAY BE FATAL. SKIN-MAY CAUSE SEVERE IRRITATION & CHEMICAL BURNS.  
EYE-MAY CAUSE SEVERE IRRITATION & BURNS THAT MAY LEAD TO PERMANENT DAMAGE OR BLINDNESS.  
INGESTION-SEVERE BURNS TO GI TRACT.  
Explanation of Carcinogenicity:NOT A CARCINOGEN.  
Effects of Overexposure:INHALATION-COUGHING, BURNING OF THE NOSE & THROAT, HEADACHES, DIZZINESS & NARCOSIS. SEVERE EXPOSURE MAY RESULT IN SHORTNESS OF BREATH & CHEST PAIN. INGESTION-THIS MATERIAL IS VERY DESTRUCTIVE TO ALL TISSUE. MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION, DIZZINESS, NAUSEA, VOMITING

NG, ABDOMINAL PAIN, DIARRHEA,  
SHOCK, DEATH.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING  
RESPIRATORY AND/OR SKIN DISEASE MAY BE AT INCREASED RISK FROM  
EXPOSURE TO THIS PRODUCT.

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

First Aid:INHALE: REMOVE TO FRESH TO FRESH AIR, APPLY CPR OR OXYGEN IF  
NEEDED. GET MEDICAL HELP. SKIN: FLUSH AREA WITH LARGE AMOUNTS OF  
WATER FOR 15 MIN. GET MEDICAL HELP. EYE: FLUSH WITH LARGE AMOUNTS  
OF WATE  
R FOR AT LEAST 15 MIN. GET MEDICAL HELP.INGESTION: IF  
CONSCIOUS, RINSE MOUTH WITH MILK OR WATER. GUYE 4-8 OZ OF MILK OR  
WATER TO DILUTE. DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL  
HELP.

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

Flash Point:SEE SUPP'L DATA

Lower Limits:1.2

Upper Limits:10.0

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR  
ALCOHOL-RESISTANT FOAM. USE WATER TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:FIR

E FIGHTERS SHOULD WEAR POSITIVE PRESSURE

SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING FOR  
FIRES IN AREAS WHERE THIS PRODUCT IS USED/STORED.

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

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. WEAR  
PROTECTIVE CLOTHING. COLLECT  
SPILL WITH SAND OR OTHER

NON-COMBUSTIBLE ABSORBENT, PLACE IN CONTAINER FOR DISPOSAL.

NEUTRALIZE REMAINING TRACES WITH SODIUM BICARBONATE SOLUTION.

Neutralizing Agent:SODIUM BICARBONATE.

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

Handling and Storage Precautions:STORE IN A COOL DRY LOCATION AWAY FROM  
INCOMPATIBLE MATERIAL & ALL SOURCES OF IGNITION. STORE IN  
ACCORDANCE WITH OSHA 29 CFR 1910.106.

Other Precautions:PREVENT CONTACT WITH EYES, SKIN & CLOTHI

NG. USE WITH

ADEQUATE VENTILATION. AVOID BREATHING VAPOR. WASH THOROUGHLY AFTER HANDLING. KEEP AWAY FROM ALL SOURCES OF IGNITION. PROHIBIT SMOKING IN STORAGE AND USE AREAS.

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

Respiratory Protection: A FULL FACEPIECE RESPIRATOR WITH ORGANIC VAPOR/ACID GAS CARTRIDGE. A SUPPLIED AIR RESPIRATOR WITH A FULL FACEPIECE OPERATED IN CONTINUOUS FLOW MODE. A POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ven

tilation: PROVIDE SUFFICIENT GENERAL OR LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW OCCUPATIONAL EXPOSURE LIMITS.

Protective Gloves: IMPERVIOUS GLOVES SUCH AS BUTYL RUBBER.

Eye Protection: CHEMICAL SAFETY GOGGLES/FULL FACEPIECE.

Other Protective Equipment: APPROPRIATE IMPERVIOUS CLOTHING & FOOTWEAR IS REQUIRED TO PREVENT CONTACT WITH THIS MATERIAL.

Work Hygienic Practices: EYE WASH FOUNTAIN & QUICK DRENCH SAFETY SHOWER WITHIN THE IMMEDIATE WORK AREA FOR EMERGENCY USE.

Supplementa

l Safety and Health

FLASH POINT IS ESTIMATED AT