

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

Product ID:HEMA-TEK STAIN SOLUTION

MSDS Date:04/29/1992

FSC:6550

NIIN:00-109-2353

Kit Part:Y

MSDS Number: BWMNK

=== Responsible Party ===

Company Name:TECHNICON INSTRUMENTS CORP

Address:511 BENEDICT AVE

City:TARRYTOWN

State:NY

ZIP:10591-5005

Country:US

Info Phone Num:914-353-1427

Emergency Phone Num:914-353-1427

CAGE:59426

=== Contractor Identification

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Company Name:TECHNICON INSTRUMENTS CORP/BAYER CORP DIAGNOSTIC DIV

Address:511 BENEDICT AVE

Box:City:TARRYTOWN

State:NY

ZIP:10591-5005

Country:US

Phone:914-353-1427

CAGE:59426

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

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: >99%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 200 PPM

ACGIH TLV:S,200PPM/250STEL; 94

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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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:ACUTE: INHALATION- PROLONGED  
OVEREXPOSURE MAY RESULT IN TRANSIENT OR PERMANENT BLINDNESS & LIVER  
OR KIDNEY DAMAGE. INGESTION- MAY CAUSE GASTROINTESTINAL IRRITATION  
& NERVOUS SYSTEM DEPRESSION. SEVERE ABDOMINAL, BACK & LEG PAIN MAY  
OCCUR ALONG WITH BLINDNESS, LIVER & KIDNEY DAMAGE. MAY BE FA  
TAL.  
EYE & SKIN- IRRITATION.  
Explanation of Carcinogenicity:THE COMPONENTS OF THIS PRODUCT HAVE NOT  
SHOWN ANY EVIDENCE OF BEING CARCINOGENIC.  
Effects of Overexposure:OVEREXPOSURE MAY LEAD TO EYE, SKIN, AND  
RESPIRATORY IRRITATION; NARCOSIS; NAUSEA; ACUTE NERVOUS SYSTEM  
DEPRESSION; DIZZINESS; HEADACHES; STAGGERING; CONFUSION;  
UNCONSCIOUSNESS OR COMA; DEATH; DERMATITIS; AND BLINDNESS.  
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING LIVER  
OR KIDNEY DISORDER  
S MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER.  
APPLY SKIN CREAM IF DEFATTING OF SKIN OCCURES. INHALATION: REMOVE  
TO FRESH AIR AT ONCE. RESUSCITATE IF BREATHING STOPPED. GET MEDICAL  
ATTENTION. EYE: IMMEDIATELY FLUSH WITH WATERFOR 15 MINUTES WHILE  
HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: GET  
IMMEDIATE MEDICAL ATTENTION. DO NOT  
INDUCE VOMITING. MED: GIVE  
GASTRIC LAVAGE.

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

Flash Point Method:CC  
Flash Point:=11.1C, 52.F  
Lower Limits:6  
Upper Limits:36  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:VERY FLAMMABLE LIQUID.

VAPORS HEAVIER  
THAN AIR & CAN TRAVEL ALONG SURFACES. COMBUSTION OR HEAT OF FIRE  
MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. PROVIDE  
MAXIMUM AVAILABLE VENTILATION. WEAR PROTECTIVE CLOTHING. ABSORB ON  
AN INERT MATERIAL AND REMOVE WITH NON-SPARKING TOOLS. DISCARD INTO  
SEALED CONTAINERS FOR DISPOSAL.

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

Handling and Storage Precautions:STORE IN FLAMMABLE LIQUID STORAGE  
ROOM. USE WITH ADEQUATE VENTILATION. KEEP FROM HEAT, SPARK OR OPEN  
FLAMES. "NO SMOKING" AREA. KEEP CONTAINER CLOSED.  
Other Precautions:CHRONIC EFFECTS: PROLONGED OVEREXPOSURE TO METHANOL MAY  
CAUSE VISUAL IMPAIRMENT, NERVOUS SYSTEM, LIVER AND KIDNEY DAMAGE.  
METHANOL HAS BEEN FOUND TO CAUSE ADVERSE REPRODUCTIVE EFFECTS IN  
LABORATORY ANIMALS.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED ORGANIC VAPOR CARTRIDGE  
RESPIRATOR IF REQUIRED. NONE NORMALLY REQUIRED.  
Ventilation:GOOD MECHANICAL(GENERAL) EXHAUST IS REQUIRED. LOCAL EXHAUST  
VENTILATION MAY BE REQUIRED TO MAINTAIN TLV.  
Protective Gloves:VITON, NITRILE RUBBER, OR NEOPRENE  
Eye Protection:SAFETY GOGGLES OR GLASSES W/SIDE SHIELDS  
Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.  
Work Hygienic Practices:DO NOT EAT OR SMOKE WHEN HANDLING  
THIS PRODUCT;  
WASH THOROUGHLY AFTER USE. LAUNDRY CONTAMINATED CLOTHING BEFORE  
REUSE.

Supplemental Safety and Health  
MATERIAL IS HIGHLY VOLATILE AND READILY GIVES OFF VAPORS/GAS WHICH MAY  
TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND CAUSE FLASH  
FIRES OR BE IGNITED EXPLOSIVELY BY PILOT LIGHTS, OTHER FLAMES,  
SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS OR OTHER SOURCES OF  
IGNITION AT LOCATIONS DISTANT FROM MATERIAL HANDLING AREA

===== Physical/Chemical =====

Properties =====

HCC:F2  
Boiling Pt:=65.C, 149.F  
Vapor Pres:92  
Spec Gravity:0.7914  
Evaporation Rate & Reference:4.6 (N-BUTYL ACETATE=1)  
Solubility in Water:COMPLETE  
Appearance and Odor:KARK BLUE LIQUID WITH ALCOHOL ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES  
OF IGNITION  
Hazardous Decomposition Products:CARB  
ON MONOXIDE, CARBON DIOXIDE

===== Disposal Considerations =====

Waste Disposal Methods:WASTE MAY BE BURNED IN AN APPROVED INCINERATOR  
OR DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND  
FEDERAL LAWS AND REGULATIONS.

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