

BIOCHEMICAL SCIENCES INC -- HEMA 3, FIXATIVE, 123-869 -- 6550-01-362-4949

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Product Identification  
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Product ID: HEMA 3, FIXATIVE, 123-869

MSDS Date: 05/05/1994

FSC: 6550

NIIN: 01-362-4949

Kit Part: Y

MSDS Number: BWFRH

=== Responsible Party ===

Company Name: BIOCHEMICAL SCIENCES INC

Address: 100 CLARENDON DRIVE

City: SWEDESBORO

State: NJ

ZIP: 08085

Country: US

Info Phone Num: 800-524-0294

Emergency Phone

Num: 800-524-0294

CAGE: 36953

=== Contractor Identification ===

Company Name: BIOCHEMICAL SCIENCES INC

Address: 200 COMMODORE DRIVE

Box: City: SWEDESBORO

State: NJ

ZIP: 08085

Country: US

Phone: 800-524-0294

CAGE: 0B0Y1

Company Name: BIOCHEMICAL SCIENCES INC

Address: 603 HERON DR

Box: 518

City: BRIDGEPORT

State: NJ

ZIP: 08014

Country: US

Phone: 800-524-0294

CAGE: 36953

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Composition/Information on Ingredients  
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Ingred Name: METHYL ALCOHOL (METHANOL) (SARA 313) (CERCLA)

CAS: 67-56-1

RTECS #

:PC1400000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:S, 200 PPM  
ACGIH TLV:S,200PPM/250STEL; 95  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:LD50(ORAL RAT)FOR MEOH:5628 MG/KG(RTECS)  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, LIVER,  
KIDNEY, HEART. ACUTE- TOXIC. PROLONGED INHALING  
VAPORS CAUSES  
VISUAL IMPAIRMENT, RESPIRATORY FAILURE & NARCOSIS. MAY CAUSE EYE  
INJURY. INGESTION CAN EFFECTS OPTIC NERVE RESULTING IN BLINDNESS &  
POSSIBLY DEATH. MAY CAUSE DRY SKIN. CHRONIC- LIVER, HEART, KIDNEY  
DAMAGE; BLINDNESS.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:EYE IRRITATION, TEARING AND BURNING SENSATION;  
SKIN DRYING, CRACKING; DIZZINESS, NAUSEA, RESPIRATORY FAILURE,  
MUSCULAR INCOORDINATION, VOMITING, LEADING TO SEVERE ILLNESS,  
POSSIBLY  
DEATH, BLURRED VISION, HEADACHE, DROWSINESS  
Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING  
DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT, LIVER, CNS,  
GASTROINTESTINAL TRACT, KIDNEY, HEART MAY HAVE INCREASED  
SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

First Aid:EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS  
OPEN. SEE PHYSICIAN. SKIN:REMOVE CONTAMINATED CLOTHING. FLUSH  
H SKIN  
WITH LARGE AMOUNT OF WATER. IF IRRITATION PERSISTS, SEE DOCTOR.  
INHALED :REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:IF  
CONSCIOUS, IMMEDIATELY INDUCE VOMITING BY DRINKING WATER & PRESSING  
FINGER DOWN THROAT. CALL A PHYSICIAN/POISON CONTROL CENTER  
IMMEDIATELY.

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

Flash Point Method:TCC  
Flash Point:54.0F,12.2C  
Lower Limits:6.0  
Upper Limits:36.5  
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE

, ALCOHOL FOAM, WATER  
SPRAY. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY. NO WATER  
STREAM.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPORS CAN FLOW ALONG SURFACES TO  
DISTANCE IGNITION SOURCE AND FLASH BACK. BURNS WITH A CLEAR, ALMOST  
INVISIBLE FLAME. DILUTE LIQUID/VAPORS WITH WATER SPRAY.

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Accid  
ental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES  
OF IGNITION. VENTILATE AREA. STOP LEAK IF POSSIBLE. COVER WITH  
NON-FLAMMABLE ABSORBENTS. COLLECT SPILLED MATERIAL USING  
NON-SPARKING TOOLS. PLACE IN METAL CONTAINERS. DO NOT FLUSH TO  
SEWER.

Neutralizing Agent:DILUTE WITH WATER.

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Handling and Storage =====

Handling and Storage Precautions:KEEP IN COOL, WELL-VENTILATED,  
FLAM

MABLE LIQUID STORAGE AREA/CABINET, IN TIGHTLY CLOSED  
CONTAINERS, AWAY FROM SPARKS, FLAMES & INCOMPATIBLE MATERIALS.

Other Precautions:BOND AND GROUND CONTAINERS WHEN TRANSFERRING LIQUID.  
TOXIC. AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN OR ON  
CLOTHING. USE WITH ADEQUATE VENTILATION OR UNDER HOOD. WASH  
THOROUGHLY AFTER HANDL ING. KEEP OUT OF REACH OF CHILDREN.

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Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATORY PROTECTI  
ON IS REQUIRED IF TLV

EXCEEDS. AT CONCENTRATIONS ABOVE 200 PPM, A NIOSH-APPROVED  
SELF-CONTAINED BREATHING APPARATUS OR SUPPLIED AIR IS ADVISED.

ORGANIC VAPOR CARTRIDGE RESPIRATORS NOT RECOMMENDED FOR METHANOL.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF)  
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RUBBER.

Eye Protection:FACE SHIELD & SAFETY GLASSES

Other Protective Equipment:UNIFORM, PROTECTIVE SUIT, EYEWASH STATION &  
EMERGENCY

SHOWER.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. MONITORING OF AIR IN WORKPLACE IS RECOMMENDED.

Supplemental Safety and Health

KEY1:F5. PRODUCT CONSISTS OF PNI A (SOLUTION II), PNI B (SOLUTION I) AND PNI C (FIXATIVE). DANGER. POISON:CAN NOT BE MADE NON POISONOUS. FLAMMABLE. VAPOR HARMFUL. MAY BE FATAL OR CAUSE BLINDNESS IF SW ALLOWED.

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

HCC:F5

NRC/State Lic

Num:NOT RELEVANT

Boiling Pt:B.P. Text:148F,65C

Melt/Freeze Pt:M.P/F.P Text:-144F,-98C

Decomp Temp:Decomp Text:NOT KNOWN

Vapor Pres:96

Vapor Density:1.11

Spec Gravity:0.791

Evaporation Rate & Reference:4.6 (N-BUTYL ACETATE=1)

Solubility in Water:INFINITE

Appearance and Odor:CLEAR, LIGHT GREEN LIQUID - PUNGENT ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, ACIDS, ACID CHLORIDES, ACID ANHYDRIDES,

REDUCING AGENTS, ALKALI METALS

Stability Condition to Avoid:HEAT, FLAME, SPARKS, OTHER IGNITION SOURCES

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. PREFERRED METHOD IS INCINERATION IN AN APPROVED FACILITY.

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ion is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.