

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

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===== 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.

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

First Aid:EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS
OPEN. SEE PHYSICIAN. SKIN:REMOVE CONTAMINATED CLOTHING. FLU
SH 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.

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===== 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 DIOXID

E, 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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Accidental 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,
FLA

MMABLE 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 HANDLING. KEEP OUT OF REACH OF CHILDREN.

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Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATORY PROTECT
ION 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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