

BECKMAN COULTER, INC -- 60000 SERIES, HEMOCCULT DEVELOPER -- 6550-01-235-7513
===== Product Identification =====

Product ID:60000 SERIES, HEMOCCULT DEVELOPER

MSDS Date:09/01/1998

FSC:6550

NIIN:01-235-7513

Status Code:A

MSDS Number: CKMPR

=== Responsible Party ===

Company Name:BECKMAN COULTER, INC

Address:1050 PAGE MILL ROAD, BLDG 2B

City:PALO ALTO

State:CA

ZIP:94304

Country:US

Info Phone Num:65

0-857-1227 OR 800-877-6242

Emergency Phone Num:(800)424-9300

Chemtrec Ind/Phone:(800)424-9300

CAGE:TO695

=== Contractor Identification ===

Company Name:BECKMAN COULTER, INC

Address:1050 PAGE MILL ROAD, BLDG 2B

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

Ingred Name:ETHYL ALCOHOL

CAS:64-17-5

RTECS #:KQ6300000

= Wt:68.

OSHA PEL:1900 MG/M3;1000 PPM

ACGIH TLV:1880 MG/M3;1000 PPM

Ingred Name:METHYL ALCOHOL
CAS:67-56-1
RTECS #:PC1400000
= Wt:7.
OSHA PEL:260 MG/M3;200 PPM
ACGIH TLV:262 MG/M3;200 PPM
ACGIH STEL:328 MG/M3;250 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:HYDROGEN PEROXIDE
CAS:7722-84-1
RTECS #:MX0899000
= Wt:4.
OSHA PEL:1.4 MG/M3;1 PPM
ACGIH TLV:1.4 MG/M3;1 PPM

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

LD50 LC50 Mixture:RAT LD50 > 2000 MG/KG (ESTIMATED)

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Haz

ards Acute and Chronic:EYES: SEVERE IRRITATION OR INJURY

POSSIBLE FOLLOWING DIRECT CONTACT WITH LIQUID OR VAPOR. SKIN:
IRRITATION & TEMPORARY BLEACHING OF SKIN CAN OCCUR FOLLOWING DIRECT
CONTACT. INAHALTION: SEVERE PULMONAR Y IRRITATION & GENERAL
TOXICITY. INGESTION: DIRECT CONTACT WITH MUCOUS MEMBRANES MAY
PRODUCE INJURY TO THE MOUTH, THROAT, NAUSEA, VOMITING, SWEATING OR
DIURESIS. CHRONIC EXPOSURE: EYES: PROLONGED EXPO SURE TO LIQUID OR
VAPORS CAN CAUSE CORNEAL DAMA

GE. SKIN: REPEATED EXPOSURE MAY CAUSE

DERMATITIS. INHALATION/INGESTION: PROLONGED OR REPEATED EXPOSURE
MAY CAUSE BLINDNESS, CNS/CVS/LIVER/GI TRACT/BLOOD DISORDERS.

Explanation of Carcinogenicity:NO COMPONENTS IN THIS MIXTURE ARE LISTED
AS CARCINOGENS BY IARC, NTP OR US OSHA.

Effects of Overexposure:EYES: REDNESS, SWELLING, TEARS, BLURRED VISION,
PAIN. SKIN: REDNESS, SWELLING, BURNING, PAIN, ULCERATION.

INHALATION: COUGHING, SORE THROAT, SHORTNESS OF BREATH, DIZZINESS,
VO

MITING, CONVULSIONS, IMPAIRED VISION OR BLINDNESS, SIGNS OF ALCOHOL INTOXICATION. INGESTION: BURNING SENSATION, NAUSEA, VOMITING, SWEATING, DIURESIS, CONVULSIONS, IMPAIRED VISION OR BLINDNESS, SIGNS OF ALCOHOL INTOXICATION.

Medical Cond Aggravated by Exposure: INDIVIDUALS SUFFERING FROM ASTHMA, HYPERTENSION, LIVER OR KIDNEY DISORDERS OR TAKING CENTRALLY ACTING DRUGS OR ALCOHOLIC BEVERAGES COULD BE SENSITIVE TO THE TOXIC EFFECTS OF THIS MIXTURE.

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First Aid Measures =====

First Aid: EYES: WASH EYES WITH WATER FOR AT LEAST 15 MINUTES THEN OBTAIN IMMEDIATE MEDICAL ASSISTANCE. SKIN: WASH AFFECTED AREA WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHES. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS. INHALATION: MOVE EXPOSED SUBJECT TO FRESH AIR. REFER TO A PHYSICIAN IF SUBJECT EXPERIENCES DIFFICULTY BREATHING. INGESTION: WASH OUT MOUTH WITH WATER. DO NOT INDUCE VOMITING. SEEK MEDICAL ASSISTANCE IMMEDIATELY.

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

Flash Point Method: CC
Flash Point: =15.C, 59.F
Lower Limits: 3.3
Upper Limits: 19

Extinguishing Media: WATER, CO2, DRY CHEMICAL, FOAM OR HALON., AS SUITABLE FOR SURROUNDING FIRE.

Fire Fighting Procedures: TOXIC GASES, INCLUDING CO, ACRID SMOKE AND IRRITATING FUMES ARE EXPECTED IN FIRES OF THIS MATERIAL. SELF-CONTAINED BREATHING APPARATUS RECOMMENDED FOR FIREFIGHTERS.

Unusual Fire/Explosion Hazard: VAPOR HEAVIER THAN AIR.

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

Spill Release Procedures: ABSORB ON INERT MATERIAL AND/OR FLUSH WITH WATER.

Neutralizing Agent: NO DATA PROVIDED BY RESPONSIBLE PARTY

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

Handling and Storage Precautions: STORE AWAY FROM HEAT OR SOURCE OF IGNITION. STORE IN ORIGINAL CONTAINER AT CONTROLLED ROOM TEMPERATURE (1-30C, 59-86F).

Other Precautions: NO DATA PROVIDED BY RESPONSIBLE PARTY

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Exposure Controls/Personal Protection
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Respiratory Protection:NOT REQUIRED.

Ventilation:USE IN A WELL-VENTILATED AREA.

Protective Gloves:BUTYL RUBBER OR OTHER ALCOHOL IMPERMEABLE GLOVES TO PROTECT SENSITIVE SKIN.

Eye Protection:CHEMICAL SPLASH GOGGLES OR GLASSES TO AVOID EYE CONTACT.

Other Protective Equipment:WEAR PROTECTIVE CLOTHING WITH LONG SLEEVES TO AVOID SKIN CONTACT. AN EYE WASH STATION SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS AND ARMS THOROUGHLY AFTER HANDLING

THIS MATERIAL. CLEAN UP SPILLS IMMEDIATELY.

Supplemental Safety and Health

NOTE: CAS # 8013-52-3, REPRESENTING A MIXTURE OF ETHYL ALCOHOL AND METHYL ALCOHOL, IS USED ON THE PRODUCT BOTTLE LABEL IN PLACE OF 64-17-5 AND 67-56-1.

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Physical/Chemical Properties
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HCC:F2

Boiling Pt:=80.C, 176.F

Vapor Pres:25 MM HG @ 20C

Vapor Density:1.6

Spec Gravity:0.9

Evaporation Rate & Reference:>1 (H2O=1)

Solubility in Water:SOLUBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID; PUNGENT ALCOHOLIC ODOR.

Percent Volatiles by Volume:>95

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS, ALUMINUM, CHLORINE, CHLOROFORM, CONCENTRATED NITRIC ACID, NITROGENOUS BASES, REDUCING AGENTS.

Stability Condition to Avoid:LIQUID OR VAPOR CAN BE IGNITED BY HEAT, SPARKS, FLAMES OR STRONG OXIDIZERS.

Hazardous Decomposition Products:NONE UNDER NORMAL TEMPERATURES AND PRESSURES.

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Toxicological Information
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Toxicological Information:NO DATA PROVIDED BY RESPONSIBLE PARTY

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Ecological Information
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Ecological:NO DATA PROVIDED BY RESPONSIBLE PARTY

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Disposal Considerations
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Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

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MSDS Transport Information
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Transport Information:DOT LABEL(S): FLAMMABLE LIQUID. PROPER SHIPPING
NAME: ETHANOL SOLUTIONS. UN NUMBER: UN1170.

===== Regulatory Information =====

SARA Title III Information:SARA 313 STATUS: METHYL ALCOHOL AND HYDROGEN
PEROXIDE ARE LISTED.

Federal Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY

State Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY

===== Other Information =====

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