

BIOCHEMICAL SCIENCES INC -- 56022, PAPANICOLAOU, GILL EA-1 -- 6550-01-272-9409  
===== Product Identification =====

Product ID:56022, PAPANICOLAOU, GILL EA-1

MSDS Date:03/30/1998

FSC:6550

NIIN:01-272-9409

Status Code:A

MSDS Number: CLQMP

=== Responsible Party ===

Company Name:BIOCHEMICAL SCIENCES INC

Address:200 COMMODORE DRIVE

City:SWEDESBORO

State:NJ

ZIP:08085

Country:US

Info Phone Num:800-524-029

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Emergency Phone Num:800-524-0294

Chemtrec Ind/Phone:(800)424-9300

CAGE:0B0Y1

=== 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

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

Ingred Name:ACETIC ACID; EINECS/ELINCS 200-580-7

CAS:64-19-7

RTECS #:AF1225000

= Wt:2.

OSHA PEL:25 MG/M3;10 PPM

ACGIH TLV:25 MG/M3;10 PPM

ACGIH STEL:37 MG/M3;15 PPM

EPA R

pt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:WATER; EINECS/ELINCS 231-791-2  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: BALANCE

Ingred Name:EOSIN Y; EINECS/ELINCS 241-409-6  
CAS:17372-87-1  
RTECS #:LM5850000  
&lt; Wt:1.

Ingred Name:PHOSPHOTUNGSTIC ACID; EINECS/ELINCS 235-087-6  
CAS:12067-99-1  
RTECS #:TH5650000  
&lt; Wt:1.

Ingred Name:ETHYL ALCOHOL; EINECS/ELINCS 200-578-6.  
CAS:64-17-5  
RTECS #:KQ6300000  
Fraction by Wt: `66.5%  
OSHA PEL:1900 MG/M3;1000 PPM  
ACGIH TLV:1880 MG/M3;1000 PPM

Ingr  
ed Name:METHYL ALCOHOL; EINECS/ELINCS 200-659-6  
CAS:67-56-1  
RTECS #:PC1400000  
Fraction by Wt: ~28.5%  
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

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE: PRODUCES IRRITATION, MAY CAUSE  
SENSITIZATION TO LIGHT. SKIN: MAY BE ABSORBED THROUGH THE SKIN.  
INGESTIO



## R SPRAY

TO KEEP FIRE-EXPOSED CONTAINERS COOL. MAY BE IGNITED BY HEAT, SPARKS, AND FLAME. CONTAINERS MAY EXPLODE WHEN HEATED.

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

Spill Release Procedures: USE PROPER PERSONAL PROTECTIVE EQUIPMENT. ABSORB SPILL WITH INERT MATERIAL, (E.G., DRY SAND OR EARTH), THEN PLACE INTO A CHEMICAL WASTE CONTAINER. REMOVE ALL SOURCES OF IGNITION. A VAPOR SUPPRESSING FOAM MAY BE USED TO REDUCE VAPORS. WATER SPRAY MAY REDUCE VAPOR BUT MAY NOT PREVENT IGNITION IN CLOSED SPACES.

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

Handling and Storage Precautions: HANDLING-KEEP AWAY FROM HEAT, SPARK, & FLAME. KEEP AWAY FROM SOURCES OF IGNITION. STORE IN A TIGHTLY CLOSED CONTAINER. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE SUBSTANCES. HANDLING-GROUND & BOND CONTAINERS WHEN TRANSFERRING MATERIAL. AVOID CONTACT WITH EYES, SKIN & CLOTHING.

#### Other Precautions:

HANDLING-EMPTY CONTAINERS RETAIN PRODUCT RESIDUE & CAN BE DANGEROUS. KEEP CONTAINER TIGHTLY CLOSED. AVOID CONTACT WITH HEAT, SPARKS & FLAME. DO NOT INGEST OR INHALE. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE EMPTY CONTAINERS TO HEAT, SPARKS OR OPEN FLAMES.

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

Respiratory Protection: FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN 29CFR 1910.134 OR EUROPEAN STANDARD EN 149. ALWAYS USE A NIOSH OR

EUROPEAN STANDARD EN 149 APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation: USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW THE PERMISSIBLE EXPOSURE LIMITS.

Protective Gloves: WEAR APPROPRIATE PROTECTIVE GLOVES TO PREVENT SKIN EXPOSURE.

Eye Protection: WEAR APPROPRIATE PROTECTIVE EYEGLASSES OR CHEMICAL SAFETY GOGGLES.

Other Protective Equipment: WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE.

Work Hygienic Practices

ces:WASH THOROUGHLY AFTER HANDLING. USE WITH  
ADEQUATE VENTILATION.

Supplemental Safety and Health

NFPA RATING: (ESTIMATED) HEALTH=1; FLAMMABILITY=3; REACTIVITY=0. MSDS

NAME: PAPANICOLAOU STAIN, GILL EA-1. CATALO NUMBERS: 23245671,  
23245672, 56022.

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

HCC:F2

Appearance and Odor:LIQUID, ALCOHOL-LIKE ODOR.

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

Stability Indicator/Materials to Avoid:YES

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EE OTHER INFORMATION"

Stability Condition to Avoid:IGNITION SOURCES, EXCESS HEAT.

Hazardous Decomposition Products:OXIDES OF NITROGEN, OXIDES OF CARBON.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:LD50/LC50: CAS#64-17-5: INHALATION, MOUSE:

LC50=39GM/M3/4H. INHALATION, RAT: LC50=20000PPM/10H. ORAL, MOUSE:

LD50=3450 MG/KG. ORAL, RABBIT: LD50=6300 MG/KG. ORAL, RAT:

LD50=7060 MG/KG. CAS#

67-56-1: I NHALATION, RAT: LC50=64000 PPM/4H.

ORAL, MOSUE: LD50=7300 MG/KG. ORAL, RABBIT: LD50=14200 MG/KG. ORAL,

RAT: LD50-5628 MG/KG. SKIN, RABBIT: LD50=15800 MG/KG. CAS#

772-18-5: ORAL, RAT: LD50>90ML/KG. CAS # 17372-87-1: ORAL, MOSUE:

LD50=2344 MG/KG. CAS# 12067-99-1: ORAL, RAT: LD50=3300 MG/KG. CAS#

64-19-7: INHALATION, MOUSE: LC50=5620 PPM/1H. ORAL, RAT: LD50=3310

MG/KG. SKIN, RABBIT: LD50=1060 MG/KG. 0 OTHER: SEE ACTUAL ENTRY IN

RTECS.

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Ecological Information =====

Ecological:NO INFORMATION FOUND.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE,

AND LOCAL REGULATIONS. RCRA P SERIES WASTES: NONE OF THE COMPONENTS

ARE ON THIS LIST. RCRA U SERIES WASTES: CAS# 67-56-1; WASTE NUMBER

U154; (IGNITABLE WA STE).

===== MSDS Transport Information =====

Transport Information:US DOT: SHIPPIN

G NAME: ETHANOL SOLUTION. HAZARD

CLASS: 3. UN NUMBER: UN1170. PACKING GROUP: II. CANADIAN TDG: NO INFORMATION FOUND.

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

SARA Title III Information:SARA REPORTABLE QUNTITIES (RQ): CAS#67-56-1; FINAL RQ=5000 POUNDS (2270 KG). CAS#64-19-7; FINAL RQ=5000 POUNDS (2270 KG). SARA THRESHOLD PLANNING QUANTITIES (TPQ): NONE OF THE COMPONENTS ARE ON THIS L IST. SARA HAZARD CATEGORIES:CAS#64-17-5: ACUTE, CHRONIC, FLA

MMABLE, CAS#67-56-1: ACUTE, FLAMMABLE, CAS#17372-87-1: ACUTE, CAS#12067-99-1: ACUTE, FLAMMABLE, & CAS#64-19-7: ACUTE, CHRONIC, FLAMMABLE. C ERCLA/SARA SECTION 313: THIS MATERIAL CONTAINS METHYL ALCOHOL, WHICH IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III & 40 CFR PART 372.

Federal Regulatory Information:TSCA: CAS#64-17-5, CAS#67-56-1, CAS#7732-18-5, CAS#17372-87-1, CAS#12067-99-1, & CAS#64-19-7 IS LISTED ON THE TSCA INVENTORY. HEALTH & SAF

ETY REPORTING LIST: NONE

OF THE COMPONENTS ARE ON THIS LIST. C HEMICAL TEST RULE: NONE OF THE COMPONENTS ARE ON THIS LIST. TSCA SECTION 12B: NONE OF THE COMPONENTS ARE ON THIS LIST. TSCA SIGNIFICANT NEW USE RULE (SNUR): NONE OF THE COMPONENTS ARE ON THIS LIST. CL EAN AIR ACT-CAS#67-56-1 IS LISTED AS A HAZARDOUS AIR POLLUTANT (HAP). CLEAN WATER ACT-CAS# 64-19-7 I S LISTED AS A HAZARDOUS SUBSTANCE UNDER THE CWA.

OSHA-HIGHLY HAZARDOUS: NONE OF THE COMPONENTS ARE ON THIS LIST.

State Regulatory Information:ETHYL ALCOHOL CAN BE FOUND ON THE FOLLOWING STATE RIGHT-TO-KNOW LISTS: CALIFORNIA, NEW JERSEY, FLORIDA, PENNSYLVANIA, MINNESOTA, MASSACHUSETTS. METHYL ALCOHOL CAN BE FOUND ON THE FOLLOWING STATE RIGHT -TO-KNOW LISTS: CALIFORNIA, NEW JERSEY, FLORIDA, PENNSYLVANIA, MINNESOAT, MASSACHUSETTS. PHOSPHOTINGSTIC ACID CAN BE FOUND ON THE FOLLOWING STATE RIGHT-TO-KNOW LISTS: CALIFORNIA, NEW JERSEY, FLORIDA, PENNSLYVANIA, MINNESOTA, MASSACHUS ETTS. ACETIC ACID CAN BE FOUND ON THE FOLLOWING STATE RIGHT-TO-KNO W LISTS: CALIFORNIA, NEW JERSEY, FLORIDA, PENNSYLVANIA, MINNESOTA, MASSACHUSETTS. CALIFORNIA: WARNING: THIS PODUCT CONTAINS ETHYL ALCOHOL.

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

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