

RICCA CHEMICAL COMPANY -- 3535, HEMATOXYLIN STAIN, GILL 1 -- 6550-01-087-9802

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

Product ID:3535, HEMATOXYLIN STAIN, GILL 1

MSDS Date:05/01/1998

FSC:6550

NIIN:01-087-9802

Status Code:A

MSDS Number: CKKXW

=== Responsible Party ===

Company Name:RICCA CHEMICAL COMPANY

Box:13090

City:ARLINGTON

State:TX

ZIP:76013

Country:US

Info Phone Num:817-461-5601

Emergency Phone Num

:817-461-5601

CAGE:TO632

=== Contractor Identification ===

Company Name:RICCA CHEMICAL COMPANY

Address:448 W FORK DR

Box:13090

City:ARLINGTON

State:TX

ZIP:76013

Country:US

Phone:817-461-5601

CAGE:0V553

Company Name:RICCA CHEMICAL COMPANY

Address:Box:13090

City:ARLINGTON

State:TX

ZIP:76013

Country:US

Phone:817-461-5601

CAGE:TO632

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

Ingred Name:HEMATOXYLIN

CAS:517-28-2

RTECS #:MH7875000

Fraction by Wt: 2-6% GM/L

Ingred Name:SODI

UM IODATE
CAS:7681-55-2
RTECS #:NN1400000
Fraction by Wt: 0.2-.6%GM/L

Ingred Name:ALUMINUM SULFATE (RESPONSIBLE PARTY GAVE CAS # 16828-11-8
WHICH IS FOR ALUMINUM SULFATE HEXADECALHYDRATE)

CAS:10043-01-3
RTECS #:BD1700000
Fraction by Wt: 18-53% MG/L
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYLENE GLYCOL
CAS:107-21-1
RTECS #:KW2975000
Fraction by Wt: 250% ML/L
ACGIH STEL:C127 MG/M3;C50 PPM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ACETIC ACID
CAS:64-19-7
RTECS #:AF1225000

Fraction by Wt: 20-60% ML/L
OSHA PEL:25 MG/M3;10 PPM
ACGIH TLV:25 MG/M3;10 PPM
ACGIH STEL:37 MG/M3;15 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 0.6-0.7%L/L

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

LD50 LC50 Mixture:NONE GIVEN FOR PRODUCT AS WHOLE
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:UNKNOWN IARC:NO OSHA:NO
Health Hazards Acute and Chronic:T

TARGET ORGANS: RESPIRATORY SYSTEM,
SKIN, EYES, TEETH, CENTRAL NERVOUS SYSTEM, KIDNEY. LD50 ORAL, RAT:
ETHYLENE GLYCOL: 8450 MG/KG; ACETIC ACID: 3310 MG/KG. IRRITATION OF
NOSE AND THROAT, CHRONIC BRONCHITIS, HEADACHE, ABDOMINAL
DISCOMFORT, NAUSEA, VOMITING, DIZZINESS, BLURRING VISION, SIGNS OF
CENTRAL NERVOUS SYSTEM INVOLVEMENT. LIVER DAMAGE,
Explanation of Carcinogenicity:NTP: ETHYLENE GLYCOL IS UNDERGOING STUDY
AS A CARCINOGEN.

Effects of Overexposure:IRRITATION OF NOSE
AND THROAT, CHRONIC

BRONCHITIS, HEADACHE, ABDOMINAL DISCOMFORT, NAUSEA, VOMITING,
DIZZINESS, BLURRING VISION, SIGNS OF CENTRAL NERVOUS SYSTEM
INVOLVEMENT. LIVER DAMAGE,

Medical Cond Aggravated by Exposure:CHRONIC RESPIRATORY DISEASE.
PRE-EXISTING EYE PROBLEMS. PRE-EXISTING SKIN DISORDERS. LIVER OR
KIDNEY DISEASE.

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

First Aid:IN ALL CASES SEEK QUALIFIED EVALUATION. EYE CONTACT: IRRIGATE
IMMEDIATELY WITH L

ARGE QUANTITIES OF RUNNING WATER. SKIN CONTACT:

WATER FLUSH IMMEDIATELY. REMOVE ANY CONTAMINATED CLOTHING.

INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF
NECESSARY. INGESTION: DILUTE IMMEDIATELY WITH WATER OR MILK.
INDUCE VOMITING. GET MEDICAL HELP.

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

Extinguishing Media:ABC DRY CHEMICAL, CARBON DIOXIDE (CO2), WATER.

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR SELF-CONTAINED
BREATHING

APPARATUS.

Unusual Fire/Explosion Hazard:N/D.

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

Spill Release Procedures:FLUSH WITH LARGE QUANTITIES OF WATER.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY

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

Handling and Storage Precautions:PROTECT FROM PHYSICAL DAMAGE, ELEVATED
TEMPERATURES. STORE AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:NO DATA PROVIDED BY RESPONSIBLE PARTY

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Exposure Controls/Personal Protection
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Respiratory Protection:AT AMBIENT TEMPERATURES NORMAL ROOM VENTILATION IS ADEQUATE.

Ventilation:AT AMBIENT TEMPERATURES NORMAL ROOM VENTILATION IS ADEQUATE.

Protective Gloves:RUBBER.

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES.

Other Protective Equipment:LAB COAT OR LAB APRON.

Work Hygienic Practices:WASH HANDS AFTER HANDLING THIS OR ANY OTHER CHEMICAL BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety
and Health

N/A=NOT APPLICABLE. N/D=NOT DETERMINED.

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Physical/Chemical Properties
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HCC:N1

Boiling Pt:=100.C, 212.F

Melt/Freeze Pt:=0.C, 32.F

Spec Gravity:1

Solubility in Water:INFINITE

Appearance and Odor:DARK PURPLE LIQUID. SLIGHT ACETIC ACID ODOR.

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

STRONG OXIDIZING AGENTS, SULFURIC ACID, PERCHLORIC ACID.

Stability Condition to Avoid:STABLE UNDE

R NORMAL CONDITIONS OF USE AND

STORAGE.

Hazardous Decomposition Products:NO DATA PROVIDED BY RESPONSIBLE PARTY

Conditions to Avoid Polymerization:HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

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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:INCINERATE.

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

Transport Information:NO DATA PROVIDED BY RESPONSIBLE PARTY

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

SARA Title III Information:ETHYLENE GLYCOL, CAS # 107-21-1 IS SUBJECT
TO REPORTING STANDARDS OF SECTION 313 OF SARA TITLE III.

Federal Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY

State Regulatory Information:NO DATA PROVIDED
BY RESPONSIBLE PARTY.

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

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