

SHANDON INC DBA SHANDON LIPSHAW -- GILL 1 HAEMATOXYLIN-GILL 2 HAEMATOXYLIN-GILL 3  
HAEMATOXYLIN -- 6550-01-087-9802

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

Product ID:GILL 1 HAEMATOXYLIN-GILL 2 HAEMATOXYLIN-GILL 3 HAEMATOXYLIN

MSDS Date:12/02/1997

FSC:6550

NIIN:01-087-9802

Status Code:A

MSDS Number: CLLPZ

=== Responsible Party ===

Company Name:SHANDON INC DBA SHANDON LIPSHAW

Address:171 INDUSTRY DRIVE

City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Info Phone Num:412-

788-1133 INFO 800-245-6212

Emergency Phone Num:813-979-0626 CHEM-TEL

Resp. Party Other MSDS Num.:230029 REV. 2

CAGE:17602

=== Contractor Identification ===

Company Name:SHANDON INC DBA SHANDON LIPSHAW

Address:171 INDUSTRY DRIVE

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-788-1133 INFO 800-245-6212

CAGE:17602

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

Ingred Name:ETHYLENE GLYCOL

CAS:107-21-1

RTECS #:KW2975000

Minumum % Wt:20.

Maxumum % Wt:25.

Other REC

Limits:10 MG/M3  
ACGIH STEL:C127 MG/M3;C50 PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:ALUMINUM SULPHATE  
CAS:10043-01-3  
RTECS #:BD1700000  
Minumum % Wt:1.  
Maxumum % Wt:10.  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:HAEMATOKSYLIN  
CAS:517-28-2  
RTECS #:MH7875000  
&lt; Wt:1.

Ingred Name:SODIUM IODATE  
CAS:7681-55-2  
RTECS #:NN1400000  
&lt; Wt:1.

Ingred Name:GLACIAL ACETIC ACID  
CAS:64-19-7  
RTECS #:AF1225000  
&lt; Wt:1.  
OSHA PEL:25 MG/M3;10 PPM  
ACGIH TLV:25 MG/M3;10 PPM  
ACGIH STEL:37 MG/M  
3;15 PPM  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Health Hazards Acute and Chronic:ACUTE: EYES: IRRITATES THE EYES. SKIN:  
MAY GIVE IRRITATION WITH REDNESS & PAIN. INHALATION: INHALATION OF  
VAPORS MAY IRRITATE MUCOUS MEMBRANES & INDUCE COUGH. INGESTION:  
IRRITATION OF THE GASTROINTESTINAL TRACT. LONG T

ERM (CHRONIC):

PROLONGED OR FREQUENT EXPOSURE TO VAPORS MAY RESULT IN DAMAGE TO LIVER, KIDNEYS, BLOOD OR CENTRAL NERVOUS SYSTEM (BRAIN DAMAGE). HAEMATOXYLIN HAS SHOWN A CARCINOGENIC EFFECT IN EXPERIMENTAL ANIMALS. ALUMINUM SULPHATE HAS SHOWN MUTAGENIC & REPRODUCTIVE EFFECTS IN RATS & MICE

Explanation of Carcinogenicity:HAEMATOXYLIN HAS SHOWN A CARCINOGENIC EFFECT IN EXPERIMENTAL ANIMALS

Effects of Overexposure:ACUTE: EYES: IRRITATES THE EYES. SKIN: MAY GIVE IRRITATIO

N WITH REDNESS & PAIN. INHALATION: INHALATION OF VAPORS

MAY IRRITATE MUCOUS MEMBRANES & INDUCE COUGH. INGESTION: IRRITATION OF THE GASTROINTESTINAL TRACT. LONG TERM (CHRONIC): PROLONGED OR FREQUENT EXPOSURE TO VAPORS MAY RESULT IN DAMAGE TO LIVER, KIDNEYS, BLOOD OR CENTRAL NERVOUS SYSTEM (BRAIN DAMAGE). HAEMATOXYLIN HAS SHOWN A CARCINOGENIC EFFECT IN EXPERIMENTAL ANIMALS. ALUMINUM SULPHATE HAS SHOWN MUTAGENIC & REPRODUCTIVE EFFECTS IN RATS & MICE

Medical Cond Aggravated

by Exposure:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

First Aid:EYE: FLUSH WITH WATER OR PHYSIOLOGICAL SALT WATER FOR 15 MINS. REMEMBER TO REMOVE CONTACT LENSES. SKIN: REMOVE CONTAMINATED CLOTHING & WASH WITH WATER & SOAP. INHALATION: REMOVE TO FRESH AIR. KEEP AT REST. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTION: RINSE MOUTH & DRINK PLENTY WATER. KEEP UNDER SURVEILLANCE. GENERAL: I F ANY SYMPTOMS OCCUR: SEEK MEDICAL ADVICE. SHOW THIS SAFETY DATA SHEET TO A PHYSICIAN OR EMERGENCY WARD.

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

Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM OR WATER FOG.

Fire Fighting Procedures:WHEN EXTINGUISHING FIRES USE BREATHING APPARATUS WITH AN INDEPENDENT SOURCE OF AIR.

Unusual Fire/Explosion Hazard:THE PRODUCT MAY FORM HAZARDOUS DECOMPOSITION PRODUCT SUCH AS IODINE, OXIDES OF CARBON,

SULPHUR,  
SODIUM & ALUMINUM. REMOVE CONTAINERS IF POSSIBLE

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

Spill Release Procedures: PROVIDE FOR SUFFICIENT VENTILATION/RESPIRATORY PROTECTION. DO NOT EMPTY INTO DRAINS. IF THE PRODUCT CONTAMINATES LAKES, RIVERS OR SEWAGES, INFORM APPROPRIATE AUTHORITIES IN ACCORDANCE WITH LOCAL REGULATIONS. ABSORB SPILLED LIQUID & PLACE SPILLAGE IN A PLASTIC CONTAINER.

Neutralizing Agent: NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Handling and Storage Precautions: STORE AT ROOM TEMPERATURE. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT STORE IN DIRECT SUNLIGHT.

Other Precautions: NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Respiratory Protection: USE MASK WITH A GAS/PARTICLE FILTER: A2/P2 SL WHEN RISK OF INHALING VAPORS.

Ventilation: PROVIDE ADEQUATE VENTILATION.

Protective Gloves:

USE GLOVES OF BUTYL RUBBER OR NEOPRENE

Eye Protection: WEAR SAFETY GOGGLES.

Other Protective Equipment: RUBBER APRON IS RECOMMENDED. SAFETY SHOWER SHOULD BE AVAILABLE IN LOCAL AREA.

Work Hygienic Practices: AVOID BREATHING OF VAPORS & CONTACT WITH SKIN & EYES.

Supplemental Safety and Health

NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

HCC: T6

Boiling Pt: B.P. Text: 123.9 TO 133.9 DEG C

Vapor Density: > 1

Spec Gravity: 1.033-1.054

p

H:ACIDIC

Solubility in Water:COMPLETE

Appearance and Odor:DARK PURPLE-RED LIQUID, FAINT VINEGAR ODOR

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

STRONG OXIDIZING AGENTS, ALKALIS OR ACIDS CAN ALTER THE STAINING CHARACTERISTICS OF THE SOLUTIONS.

Stability Condition to Avoid:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Hazardous Decomposition Products:COMBUSTION MAY PRODUCE IODINE, OXIDES OF CARBON, SULPHUR, SODIUM & ALUMINUM

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Toxicological Information:ACUTE TOXICITY: IRRITATES THE EYES. SKIN: MAY GIVE IRRITATION WITH REDNESS AND PAIN. INHALATION: INHALATION OF VAPORS MAY IRRITATE MUCOUS MEMBRANES AND INDUCE COUGH. INGESTION: IRRITATION TO THE GASTROINTESTINAL TRACT. LONG TERM TOXICITY; PROLONGED OR FREQUENT EXPOSURE TO VAPORS MAY RESULT IN DAMAGE TO LIVER, KIDNEYS, BLOOD OR CENTRAL NERVOUS SYSTEM (BRAIN DAMAGE). HAEMATO

LYN HAS SHOWN A CARCINOGENIC EFFECT IN EXPERIMENTAL ANIMALS. ALUMINIUM SULPHATE HAS SHOWN MUTAGENIC AND REPRODUCTIVE EFFECTS IN RATS AND MICE.

===== Ecological Information =====

Ecological:DO NOT EMPTY INTO WATERS OR DRAINS. ECO-TOXICOLOGIC DATA FOR ALUMINUM SULPHATE; DAPHNIA MAGNA: EC50=59.6 MG/L (ALUMINUM 48 HOURS, IMMOBILITY).TUBIFEX TUBIFEX;EC50=69.8MG/L (ALUMINUM 24 HOURS).EC50=55.9 MG/L(ALUMINUM 48 HOURS).EC50=50.2 MG/L (ALUMINUM 96 HOURS)

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

Waste Disposal Methods:DISPOSAL SHOULD BE ACCORDING TO LOCAL, STATE OR NATIONAL LEGISLATION. DISPOSE OF THROUGH AUTHORITY FACILITIES OR PASS TO CHEMICAL DISPOSAL COMPANY

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

Transport Information:THIS PRODUCT IS NOT CONSIDERED HAZARDOUS ACCORDING TO ANY TRANSPORTATION REGULATIONS.

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

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