

SHANDON INC DBA SHANDON LIPSHAW -- 230006, HARRIS HAEMATOXYLIN -- 6550-01-354-9460

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

Product ID:230006, HARRIS HAEMATOXYLIN

MSDS Date:02/11/1997

FSC:6550

NIIN:01-354-9460

Status Code:A

MSDS Number: CLLLL

=== 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.:P/N:230006 REV 2

Preparer's Name:NOT PROVIDED

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:ALUMINUM AMMONIUM SULFATE

CAS:7784-26-1

Minumum % Wt:5.

Max

umum % Wt:15.
Other REC Limits:2 MG/M3
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3

Ingred Name:ETHANOL
CAS:64-17-5
RTECS #:KQ6300000
< Wt:5.
Other REC Limits:1900 MG/M3
OSHA PEL:1900 MG/M3;1000 PPM
ACGIH TLV:1880 MG/M3;1000 PPM

Ingred Name:GLACIAL ACETIC ACID
CAS:64-19-7
RTECS #:AF1225000
< Wt:5.
Other REC Limits:25 MG/M3
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:SODIUM IODATE
CAS:7681-55-2
RTECS #:NN140000
0
< Wt:1.
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:HAEMATOXYLIN
CAS:517-28-2
RTECS #:MH7875000
< Wt:1.
Other REC Limits:NOT PROVIDED
OSHA PEL:NOT PROVIDED
ACGIH TLV:NOT PROVIDED

Ingred Name:METHANOL
CAS:67-56-1
RTECS #:PC1400000
< Wt:1.
Other REC Limits:260 MG/M3
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

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

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LD50 LC50 Mixture:NOT PROVIDED

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:EYES: SPLASHES AND VAPORS MAY GIVE IRRITATION AND BLURRED VISION. SKIN: IRRITATION WITH REDNESS. METHANOL CAN BE ABSORBED THROUGH SKIN AND PROLONGED/REPEATED EXPOSURES CAUSE TOXIC EFFECTS. INHALATION: VAPORS MAY IRRITATE MUCOUS MEMBRANES AND INDUCE HEADACHE, NAUSEA, VOMITING AND DIZZINES

S. DEVELOPMENT OF LUNG EDEMA IS POSSIBLE. BE AWARE THAT SYMPTOMS (DYSPNEA) CAN DEVELOP SEVERAL HOURS AFTER EXPOS URE. INGESTION: MAY RESULT IN VOMITING, NAUSEA, HEADACHE, DIZZINESS, VISUAL DISTURBANCES AND BLINDNESS. PROLONGED OR FREQUENT EXPOSURE TO VAPORS OF VOC'S MAY RESULT IN DAMAGE ON LIVER, KIDNEYS, BLOOD OR CENTRAL NERVOUS SYSTEM (BRAIN DAMAGE)

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES: SPLASHES AND VAPORS MAY GIVE IRRITATION AND BLURRED VIS

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Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:IF ANY SYMPTOMS OCCUR: SEEK MEDICAL ADVICE. SHOW THIS SAFETY DATA SHEET TO A PHYSICIAN OR EMERGENCY WARD. EYE: FLUSH WITH WATER OR PHYSIOLOGICAL SALT WATER FOR 15 MINUTES. REMEMBER TO REMOVE CONTACT L ENSES. SKIN: REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH WATER AND MMILD SOAP. FLUSH 15 MINUTES WITH WATER. INHALTION: REMOVE TO FRESH AIR. KEEP AT REST. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATIO N AS NEEDED. INGESTION: RINSE MOUTH AND DRINK PLENTY OF WATER. KEEP UNDER SURVEILLANCE.

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

Flash Point:COMBUSTIBLE LIQ.

Ex

Extinguishing Media:USE CARBON DIOXIDE OR DRY CHEMICAL FOR SMALL FIRES.
USE ALCOHOL TYPE FOAM FOR LARGE FIRES.

Fire Fighting Procedures:APPLICATION OF WATER FOG/SPRAY WILL AID IN
KEEPING FIRE-EXPOSED MATERIALS COOL. IN CASE OF FIRE THE PRODUCT
MAY FORM HAZARDOUS DECOMPOSITION PRODUCTS SUCH AS OXIDES OF CARBON,
NITROGEN, SULFUR AND ALUMINUM. WHEN EXTINGUISHING FIRES USE
BREATHING APPARATUS WITH AN INDEPENDENT SOURCE OF AIR. REMOVE
CONTAINERS IF POSSIBLE

Unusual Fire/Explosion Hazard:NOT PROVIDED

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

Spill Release Procedures:PROVIDE FOR SUFFICIENT VENTILATION/RESPIRATORY
PROTECTION. SWEEP UP WITH PAPER TOWELLING OR OTHER ABSORBENT
MATERIAL. FLUSH WITH WATER. STAINED AREAS CAN BE DECOLORIZED WITH
AN ACID SOLUTION. DO NOT EMPTY INTO DRAINS. IF THE PRODUCT
CONTAMINATES LAKES, RIVER, SEWAGES, INFORM APPROPRIATE AUTHORITIES
IN ACCORDANCE WITH LOCAL REGULATIONS.

Neutralizing Agent:NOT
PROVIDED

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

Handling and Storage Precautions:THERE SHALL BE ACCESS TO WATER. WASH
WITH SOAP AND WATER AFTER WORK. STORE IN DRY, AT ROOM TEMPERATURE
AND WELL VENTILATED. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.
DO NOT STORE IN DIRECT SUNLIGHT.

Other Precautions:NOT PROVIDED

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

Respiratory Protection:WHEN RISK OF INHALING VAPORS: USE MASK WITH A

GAS FILTER TYPE AX. USE A PARTICLE FILTER P2 SL AS PREFILTER.

Ventilation:PROVIDE ADEQUATE VENTILATION.

Protective Gloves:BUTYL RUBBER

Eye Protection:SAFETY GOGGLES WHEN RISK OF SPLATTERING.

Work Hygienic Practices:AVOID BRATHING OF VAPORS AND CONTACT WITH SKIN,
EYES AND CLOTHES.

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K =
UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT
DETERMINED. N/E = NOT ESTABLISHED. CNS = CENTRAL N

ERVOUS SYSTEM. GI

= GASTROINTESTINAL. SCBA = SELF CONTAINED BREATHING APPARATUS.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=99.4C, 210.9F

Melt/Freeze Pt:M.P/F.P Text:NOT PROVIDED

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NOT PROVIDED

Vapor Density:~1

Spec Gravity:NOT PROVIDED

pH:NOT PROVIDED

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:NOT PROVIDED

Solubility in Water:COMPLETE

Appearance and Odor:

PURPLE-RED LIQUID; SLIGHT VINEGAR ODOUR.

Percent Volatiles by Volume:NOT PROVIDED

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

ACIDS, ALKALIES AND STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HEATING

Hazardous Decomposition Products:OXIDES OF CARBON, NITROGEN, SULFUR AND ALUMINUM

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

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CES AND

BLINDNESS. PROLONGED OR FREQUENT EXPOSURE TO VAPORS OF VOC'S MAY
RESULT IN DAMAGE ON LIVER, KIDNEYS, BLOOD OR CENTRAL NERVOUS
SYSTEM.

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

Ecological:DO NOT EMPTY INTO WATERS OR DRAINS.

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

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

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

Transport Information:THE PRODUCT IS NOT CONSIDERED AS HAZARDOUS
ACCORDING TO ANY TRANSPORTATION REGULATION.

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

SARA Title III Information:NOT PROVIDED
Federal Regulatory Information:NOT PROVIDED
State Regulatory Information:NOT PROVIDED

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

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