

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:4
12-788-1133 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.
Maxumum % 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

0000
< 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 =====
=====

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 DIZZI
NESS. 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

VISION. SKIN: IRRITATION WITH REDNESS. INHALATION:

VAPORS MAY IRRITATE MUCOUS MEMBRANES AND INDUCE HEADACHE, NAUSEA, VOMITING AND DIZZINESS. INGESTION: MAY RESULT IN VOMITING, NAUSEA, HEADACHE, DIZZINESS, VISUAL DISTURBANCES AND BLINDNESS.

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 LENSES. SKIN: REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH WATER AND MILD SOAP. FLUSH 15 MINUTES WITH WATER. INHALATION: REMOVE TO FRESH AIR. KEEP AT REST. ADMINISTER OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. INGESTION: RINSE MOUTH AND DRINK PLENTY OF WATER. KEEP UNDER SURVEILLANCE.

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

Flash Point:COMBUSTIBLE LIQ.

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:N

OT 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 SUNLIG HT.

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 = CENTRA

L NERVOUS SYSTEM. GI

= GASTROI NTESTINAL. 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 Od

or: 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 =====

Toxicological Information: EYES: SPLASH

ES 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 DIZZINESS. DEVELOPMENT OF LUNG EDEMA IS POSSIBLE. BE AWARE THAT SYMPTOMS (DYSPNEA) CAN DEVELOP SEVERAL HOURS AFTER EXPOSURE. INGESTION: MAY RESULT IN VOMITING, NAUSEA, HEADACHE, DIZZINESS, VISUAL DISTUR

BANCES 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 CHEMICAL 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 =====

Disclaimer (provided w

ith this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.