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VOLU-SOL MEDICAL INDUSTRIES INC -- HARRIS HEMATOXYLIN CYTOLOGY/HISTOLOGY STAIN --  
6550-01-354-9460

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

Product ID:HARRIS HEMATOXYLIN CYTOLOGY/HISTOLOGY STAIN

MSDS Date:01/08/1990

FSC:6550

NIIN:01-354-9460

MSDS Number: BXYGP

=== Responsible Party ===

Company Name:VOLU-SOL MEDICAL INDUSTRIES INC

Box:12449

City:LAS VEGAS

State:NV

ZIP:89112

Country:US

Info Phone Num:702-

565-1383

Emergency Phone Num:702-565-1383

CAGE:IO106

=== Contractor Identification ===

Company Name:CURTIN MATHESON SCIENTIFIC INC

Address:9999 VETERANS MEMORIAL DR

Box:1546

City:HOUSTON

State:TX

ZIP:77038-2499

Country:US

Phone:713-820-9898

CAGE:15481

Company Name:VOLU-SOL

Address:700 W SUNSET RD

City:HENDERSON

State:NV

ZIP:89015

Country:US

Phone:702-565-1383/702-565-0311FAX

CAGE:54309

Company Name:VOLU-SOL MEDICAL INDUSTRIES INC

Box:12449

City:LAS VEGAS

State:NV

ZIP:89112

Country:US

Phone:702-5

65-1383  
CAGE:IO106

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

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 85%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALUMINUM POTASSIUM SULFATE  
CAS:10043-67-1  
RTECS #:WS5650000  
Fraction by Wt: 8.50%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ETHYL ALCOHOL (ETHANOL)  
CAS:64-17-5  
RTECS #:KQ6300000  
Fraction by Wt: 4.2%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9495

Ingred Name  
:(GLACIAL) ACETIC ACID (CERCLA)  
CAS:64-19-7  
RTECS #:AF1225000  
Fraction by Wt: 1.7%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 PPM  
ACGIH TLV:10 PPM/15 STEL; 9495  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:HEMATOXYLIN  
Fraction by Wt: 0.40%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:MERCURIC OXIDE (SARA 302/313) (CERCLA)  
CAS:21908-53-2  
RTECS #:OW8750000  
Fraction by Wt: 0.2%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 MG (HG)/M3; Z-2  
ACGIH TLV:S,0.025 MG(HG)/M3;95

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: READILY ABSORBED BY THE SKIN;  
CORROSIVE TO SKIN AND MUCOUS MEMBRANES. ALSO ABSORBED BY  
RESPIRATORY TRACT TO CAUSE NAUSEA. VIOLENT POISON. CHRONIC: NONE  
SPECIFIED BY MANUFACTURER.  
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A  
CARCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:CORROSIVE TO SKIN, NAUSEA.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IN ALL CASES, GET IMMEDIATE MEDICAL ATTENTION.  
EYES-IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. SKIN-REMOVE  
CONTAMINATED CLOTHES. WASH WITH SODIUM BICARBONATE & WATER  
SOLUTION. INHALED-REMOVE TO FRES H AIR. ADMINISTER OXYGEN OR  
ARTIFICIAL RESPIRA  
TION AS NEEDED. INGESTED-CONTACT POISON CONTROL  
CENTER AND OBTAIN IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media:WATER.  
Fire Fighting Procedures:NONE.  
Unusual Fire/Explosion Hazard:NONE.

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

Spill Release Procedures:COVER SPILL WITH SODIUM BICARBONATE AND WATER  
TO FORM A SLURRY. WASH SLURRY DOWN DRAIN WITH EXCESS WATER.  
Neutralizing Agent:SODIUM BICAR  
BONATE (20%) AND WATER SOLUTION.

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

Handling and Storage Precautions:BOTTLE SHOULD BE KEPT SEALED AND  
CAPPED UNTIL USE. STORE BOTTLE SAWAY FROM HEAT AND DIRECT LIGHT.  
Other Precautions:NONE.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE  
OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR  
AN AIR-SUPPLIED RESPIRA

TOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE  
WITH 29 CFR 1910.13 4 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation:USE IN A WELL-VENTILATED AREA.

Protective Gloves:RUBBER.

Eye Protection:FACESHIELD.

Other Protective Equipment:LAB COAT. DLA-HMIS: EYE WASH STATION &  
SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,  
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:T6

Boiling Pt:B.P. Text:212F,100C

Vapor Pres:760

Spec Gravity:1.00

Solubility in Water:APPRECIABLE

Appearance and Odor:DARK RED LIQUID; ACRID ODOR.

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

Stability Indicator/Materials to Avoid:YES

CARBONATES, HYDROXIDES, PHOSPHATES, REDUCING AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:MIX WITH A 20% SODIUM BICARBONATE AND WATER  
SOLUTION AND POUR DOWN THE DRAIN. DISPOSE OF IN ACCORDANCE WITH  
LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

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