

MSDS - Material Safety Data Sheet**Product Name: Serial Number Restoration Liquid Reagent Dischaps, Copper**

MSDS No.: DCR3

I. Basic Information:

Manufacturer: Sirchie Finger Print Laboratories

Address: 100 Hunter Place

City, ST Zip: Youngsville, NC 27596

Emergency Contact: ChemTrec

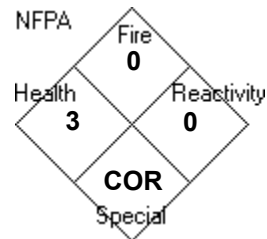
Emergency Telephone Number: 800-424-9300

Contact: Tech Support

Information Telephone Number: 919-554-2244

Last Update: 01/26/2011

Expiration Date:

Chemical State: Liquid Gas SolidChemical Type: Pure Mixture

3	Health
0	Flammability
0	Reactivity
H	Pers. Protection

II. Ingredients: Trade Secret (N/D = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS		IARC		SARA		OSHA PEL	ACGIH TLV	Other Limits
			NTP		SUB Z	313					
7705080	Ferric chloride	40						NE	1 mg/m3	221 F	
7732185	Water (Distilled)	60						None	None	212 F	

III. Hazardous Identification:

Hazard Category:

 Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

Corrosive. Dangerous if inhaled, ingested, or contacted by skin or eyes. Respiratory and digestive tract irritant. Skin and eye irritant.

IV. First Aid Measures:

Route(s) of Entry:

Inhalation, ingestion, skin, eyes

Health Hazards (Acute and Chronic):

Acute: Skin burns

Chronic: Frequent attacks of bronchial infection

Signs and Symptoms:

Inhalation: Coughing, choking, shortness of breath

Skin: Inflammation, itching, scalling, reddening, occasional blistering

Eyes: Inflammation, redness, watering, itching

Medical Conditions Generally Aggravated by Exposure:

Skin, eye, respiratory diseases

MSDS - Material Safety Data Sheet

Product Name: Serial Number Restoration Liquid Reagent Dischaps, Copper

MSDS No.: DCR3

Emergency and First Aid Procedures:

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen (To be administered by qualified medical personnel only!) Get medical attention.

Ingestion: DO NOT induce vomiting. If victim is conscious and alert, give large amounts of water or milk. (Never give anything by mouth to an unconscious person!) Get medical attention immediately.

Skin: Neutralize exposed skin with a dilute solution of sodium carbonate (baking soda). Flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Seek medical attention.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do not allow victim to rub or keep eyes closed. DO NOT use an eye ointment. Get medical aid immediately.

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point: NE

Lower Explosive Limit: NE

Upper Explosive Limit: NE

F.P. Method:

Fire Extinguishing Media: Use proper extinguishing media suitable for surrounding fire.

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion:

Contact with metals may generate flammable hydrogen gas.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Wear vapor respirator, safety goggles, and rubber gloves. Stop leak if without risk. DO NOT touch spilled material. Dike if needed. Soak up with inert absorbent material (dry sand or earth recommended; do not use flammable substances such as sawdust). Neutralize the residue with a dilute solution of sodium carbonate. Dispose according to local, state, and federal regulations.

VII. Handling and Storage:

Precautions to be Taken:

Keep in closed container. Avoid incompatible materials. Use only in well-ventilated areas. Avoid contact with clothing, skin, and eyes. Avoid inhalation and ingestion. Wash thoroughly after handling.

Other Precautions:

DO NOT wear contact lenses while using this product.

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Use only in well-ventilated areas.

Personal Protective Equipment:

Safety goggles, gloves, vapor respirator, protective clothing

MSDS - Material Safety Data Sheet

Product Name: Serial Number Restoration Liquid Reagent Dischaps, Copper

MSDS No.: DCR3

IX. Physical and Chemical Properties:

Boiling Point: 212 F

Melting Point: NE

Evaporation Rate (Butyl Acetate = 1): NE

Vapor Pressure (mm Hg.): 17.535

Specific Gravity (H₂O = 1):

Vapor Density (AIR = 1): 0.62

Solubility In Water: Easily soluble

Appearance and Odor: Dark yellowish-brown liquid

Other Information:

X. Stability and Reactivity:

Stability:

Stable

Incompatibility (Materials to Avoid):

Metals, nylon

Decomposition/By Products:

Flammable hydrogen gas, soluble iron salts

Hazardous Polymerization:

Has not been reported.

XI. Toxicological Information:

Corrosive. Dangerous if inhaled, ingested, or contacted by skin or eyes. Respiratory and digestive tract irritant. Skin and eye irritant.

XII. Ecological Information:

Prevent from entering sewers or waterways. May be toxic to some aquatic life.

XIII. Disposal Considerations:

Dispose according to local, state, and federal regulations.

XIV. Transport Information:

Keep in closed container. Avoid incompatible materials. Avoid contact with clothing, skin, and eyes. Avoid inhalation and ingestion. Wash thoroughly after handling.

IATA

Shipping name: Ferric chloride solution

Hazard class: 8

UN no.: 2582

Packing group: III

Corrosive!

XV. Regulatory Information:

All ingredients are listed on the TSCA inventory.

MSDS - Material Safety Data Sheet

Product Name: Serial Number Restoration Liquid Reagent Dischaps, Copper

MSDS No.: DCR3

XVI. Other Information:

Using this product under normal, properly instructed procedures should not be hazardous.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.