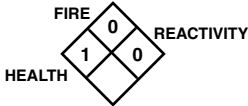


# MATERIAL SAFETY DATA SHEET and WARRANTY

A454-6H04

Date: August 4, 2006

## Section I Identification



HEALTH	[1]
FLAMMABILITY	[0]
REACTIVITY	[0]
PROTECTION	[G]

Product Name:	<b>LITHOCHROME® Chemstain™ Enhancer</b>
Chemical Name:	<b>Mixture</b>
Chemical Family:	<b>Inorganic Salt</b>
Chemical Formula:	<b>Mixture</b>
Emergency Telephone Number:	<b>CHEMTREC (800) 424-9300</b>
Telephone Number for Information:	<b>SCOFIELD (770) 920-6000 (323) 720-3000</b>

## Section II Composition/ Information on Ingredients

**No hazardous ingredients identified as per 29 CFR 1900.1200.**

## Section III Hazards Identification

Emergency Overview:  
**Prolonged or repeated exposure may cause irritation to eyes, skin, and upper respiratory tract.**

Signs and Symptoms of Exposure:  
 Inhalation — **Not applicable.**  
 Eyes — **Redness, irritation, and eye watering.**  
 Skin — **Redness and irritation.**  
 Ingestion — **Nausea, vomiting, diarrhea, or dizziness.**

Medical Conditions Generally Aggravated by Exposure: **Dermatitis**

## Section IV First Aid Measures

Emergency and First Aid Procedures:  
 Inhalation — **Move to fresh air.**  
 Skin — **Wash thoroughly with soap and water. Remove soiled clothing and footwear and wash before reuse.**  
 Ingestion — **Get medical attention.**  
 Eyes — **DO NOT RUB EYES. Immediately flush thoroughly with large amounts of water.**  
**If symptoms persist or develop, get medical attention.**

## Section V Fire and Explosion Hazard Data

Flash Point (Method Used):	<b>None</b>
Flammable Limits:	<b>None</b>
Extinguishing Media:	<b>Water spray, dry chemical, foam, and CO<sub>2</sub>.</b>
Special Fire Fighting Procedures:	<b>Noncombustible. Firefighters should wear appropriate protection for other materials involved. Cool tightly closed containers exposed to fire with water.</b>
Unusual Fire and Explosion Hazards:	<b>None. Noncombustible.</b>

# L. M. SCOFIELD COMPANY

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LITHOCHROME® Chemstain™ Enhancer

## Section VI Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: **Only qualified personnel who have read the product Tech-Data Bulletins and this MSDS should conduct these procedures. Persons not wearing protective equipment should be excluded from the area. Follow procedures in *Section VIII–Exposure Controls/Personal Protection*. Liquid material spills may be slippery. Cordon off area if necessary to prevent unauthorized traffic or entry. Collect with wet vacuum or absorb with inert material and place in labeled waste container for disposal together with all contaminated matter or equipment.**

## Section VII Precautions for Safe Handling and Use

Precautions to be Taken in Handling and Storing: **Follow personal protection procedures (*Section VIII*) when handling the material. Store upright in a cool, dry, well-ventilated area, in tightly closed containers. Protect from physical damage. Labels must not be removed from containers. Product should only be stored in original containers.**

## Section VIII Exposure Controls/ Personal Protection

Ventilation/Engineering Controls: **Not applicable**

Respiratory Protection: **Not applicable**

Eye Protection: **Goggles recommended. Wearing of contact lenses when working with this product is not recommended.**

Skin Protection: **Impervious gloves recommended.**

Other Protective Clothing or Equipment: **Wear suitable clothing to minimize skin contact.**

Work/Hygienic Practices: **Minimize exposure in accordance with good hygienic practice. Wash with soap and water immediately after handling.**

## Section IX Physical and Chemical Characteristics

Appearance: **No color**

Odor: **No odor**

Vapor Pressure (mm Hg.): **Of water**

Vapor Density (Air = 1): **Of water**

Boiling Point: **Approximately 212° F**

Melting Point: **Approximately 32° F**

Solubility in Water: **100%**

Specific Gravity (H<sub>2</sub>O = 1): **Approximately 1**

Evaporation Rate (Butyl Acetate = 1): **Of water**

Volatile Organic Compounds: **None**

# MATERIAL SAFETY DATA SHEET and WARRANTY

LITHOCHROME® Chemstain™ Enhancer

## Section X Stability and Reactivity

Stability:	Stable
Conditions to Avoid:	None
Incompatibility (Materials to Avoid):	Acids
Hazardous Decomposition or By-products:	Heated to decomposition, it will emit fumes of sodium oxide.
Hazardous Polymerization:	Will not occur.

## Section XI Toxicological Information

Toxicity: **No delayed, subchronic, or chronic test data are known. This product does not contain any ingredient designated by IARC, NTP, ACGIH, or OSHA as probable or suspected human carcinogens.**

## Section XII Ecological Information

Aquatic Toxicity Rating:  
**No data**

## Section XIII Disposal Considerations

Waste Disposal Method: **Follow personal protection procedures (*Section VIII*) when disposing of material. Disposal of all residual product, used absorbent materials, and discarded equipment must be in accordance with all applicable federal, state, and local regulations.**  
**Scofield cannot make specific recommendations for disposal in any particular locality. The user is cautioned to be thoroughly familiar with all applicable requirements before use. Without endorsement of any particular waste disposal company, Scofield offers the following companies as possible resources for the disposal of industrial or hazardous waste:**

Onyx Environmental	1-800-426-2382
Heritage Environmental	1-800-827-4374

**Companies who dispose of hazardous waste may also be found on the Internet using "Hazardous Waste Disposal" as key search words.**

## Section XIV Transport Information

DOT Hazard Class:  
**Not regulated**

## Section XV Regulatory Information

U.S. Federal Regulations: **No hazardous ingredients identified as per 29 CFR 1900.1200.**

State Regulations: **State of California *Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)*; WARNING: This product contains one or more chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.**

**For all state regulations, please check with the appropriate state agency.**

International Regulations: **Consult the regulations of the importing country.**

# MATERIAL SAFETY DATA SHEET and WARRANTY

LITHOCHROME® Chemstain™ Enhancer

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Section XVI  
**Other  
Information**

Before using this product:

**Completely read the Scofield Tech-Data Bulletin A-454 LITHOCHROME  
Chemstain Enhancer and the container label.**

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## WARRANTY

Since no control is exercised over product use, L. M. Scofield Company (Scofield) represents and warrants only that its products are of consistent quality within manufacturing tolerances. NO OTHER ORAL OR WRITTEN REPRESENTATION OR STATEMENT OF ANY KIND, EXPRESS OR IMPLIED, NOW OR HEREAFTER MADE IS AUTHORIZED OR WARRANTED BY SCOFIELD, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Liability for breach of contract, negligence, or on any other legal basis is limited to the lesser of refund or replacement of defective materials. SCOFIELD WILL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING FOR DELAYS OR LOST PROFITS. Communication of this warranty and its limitations to end users is not the responsibility of Scofield, but should be communicated by those in direct contract with the end user. Any claim regarding product defect must be received in writing within one year from the date of manufacture. No claim will be considered without such written notice or after the specified time interval. The end user shall determine the suitability of the products for the intended use and assumes all risks and liability in connection therewith.

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