



MATERIAL SAFETY DATA SHEET and WARRANTY

M544-1K01

Date: October 1, 2001

Section I Identification



HEALTH	[2]
FLAMMABILITY	[1]
REACTIVITY	[0]
PROTECTION	[G]

Product Name:	LITHOCHROME® Coating Remover
Chemical Name:	Mixture
Chemical Family:	Solvent mixture
Chemical Formula:	Mixture
Emergency Telephone Number:	CHEMTREC (800) 424-9300
Telephone Number for Information:	SCOFIELD (770) 920-6000 (323) 720-3000
DOT Hazard Class:	Not Regulated

Section II Composition/ Information on Ingredients

Composition	Weight	OSHA TWA	ACGIH TLV	CAS Number
N-Methylpyrrolidone	10-25%	None Established	None Established	872-50-4
Dimethyl Glutarate	5-40%	None Established	None Established	1119-40-0
Dimethyl Adipate	5-20%	None Established	None Established	627-93-0

Section III Hazards Identification

Emergency Overview:	In a confined area, vapors in high concentrations may cause blurry vision, headache, nausea, or dizziness. Prolonged or repeated exposure can cause irritation to eyes, skin, and upper respiratory tract.
Signs and Symptoms of Exposure:	Inhalation — Irritation to the respiratory tract, headache, and dizziness. Eyes — Redness, irritation, blurring of vision and eye watering. Skin — Redness and irritation. Ingestion — Nausea, vomiting, diarrhea, and dizziness.
Medical Conditions Generally Aggravated by Exposure:	Dermatitis

Section IV First Aid Measures

Emergency and First Aid Procedures:	Eyes — DO NOT RUB EYES. OBJECT IS TO FLUSH MATERIAL OUT IMMEDIATELY THEN GET MEDICAL ATTENTION. Flush IMMEDIATELY with large amounts of water while holding eyelids apart. Ingestion — If swallowed, do not induce vomiting. Immediately give two glasses of water. Never give anything by mouth to an unconscious person. Call a physician. Skin — Wash thoroughly with soap and water. Remove soiled clothing and footwear and wash before reuse. Inhalation — Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. If symptoms persist or develop, get medical attention.
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Section V Fire and Explosion Hazard Data

Flash Point (Method Used):	> 200° F
Flammable Limits:	Not determined
Extinguishing Media:	Water spray, dry chemical, foam, and CO ₂ .
Special Fire Fighting Procedures:	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Cool tightly closed containers exposed to fire with water. CAUTION: After fire is extinguished, material vapors could accumulate, travel to a source of ignition and flash back.
Unusual Fire and Explosion Hazards:	Closed containers may rupture due to high buildup of pressure and weakening of the container structure when exposed to extreme heat.

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. Eliminate sources of ignition. Promptly dike to prevent spreading and stop spill at source. Collect with wet vacuum or absorb with inert material and place in labeled waste container for disposal together with all contaminated matter or equipment. If unable to prevent release to soil or waters of the State, immediate notice to local regulatory authorities is required.

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 away from combustible materials and sources of heat. Avoid freezing. Protect from physical damage. Labels must not be removed from containers. Product should only be stored in original containers.

Steps to be Taken During Application and Cleanup Process: Do not permit runoff. Do not use unless all product, runoff, and rinsate can be kept away from drains, ground water, and soil. Collect all runoff and rinsate with wet vacuum or absorb with inert material and dispose of as detailed in *Waste Disposal Methods (Section XIII)* below.

Section VIII Exposure Controls/ Personal Protection

Ventilation/Engineering Controls: Adequate ventilation and sufficient local exhaust as needed to maintain exposure below TWA and TLV limits.

Respiratory Protection: Wear P100/organic vapor respirator (NIOSH TC-84A approved). 3M Company's *Tech Line* (1-800-243-4630) may be helpful for respirator advice and availability. For respiratory protection guidelines refer to OSHA 29 CFR 1910.134.

Eye Protection: Wear chemical-splash goggles.

Skin Protection: Wear impervious, chemical-resistant gloves.

Other Protective Clothing or Equipment: Wear suitable protective clothing, chemical-resistant apron and boots to avoid skin contact.

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

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Section IX Physical and Chemical Characteristics

Boiling Point:	Not determined
Vapor Pressure (mm Hg.):	Not determined
Vapor Density (Air = 1):	Not determined
Solubility in Water:	Soluble
pH:	Approximately 4.5
Specific Gravity (H ₂ O = 1):	Approximately 1
Melting Point:	Not determined
Evaporation Rate (Butyl Acetate = 1):	Not determined
Appearance and Odor:	Viscous, jelly-like liquid. Mild odor.

Section X Stability and Reactivity

Stability:	Stable
Conditions to Avoid:	Freezing. Excessive heat or open flame.
Incompatibility (Materials to Avoid):	Strong oxidizing or reducing agents, acids, alkalis.
Hazardous Decomposition or Byproducts:	Oxides of nitrogen and carbon.
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: **LC50 aquatic toxicity rating not determined. Although there is no toxicity data available, it is reasonable to assume that sufficient quantities will affect aquatic life.**

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.

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Section XIII Disposal Considerations (continued)

Waste Disposal Method (continued): **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: **This product contains a chemical subject to the reporting requirements of Sections 311, 312 of Title III of the *Superfund Amendments and Reauthorization Act*.**

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, material safety data sheets, training, and access to written records. It is your legal duty to make all information in this *Material Safety Data Sheet* available to your employees.

State Regulations: **Consult the regulations of the given state.**

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

Section XVI Other Information

Before using this product:

Completely read the Scofield Tech-Data Bulletin *M-544 LITHOCHROME Coating Remover* and the container label.

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.
