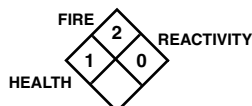


# MATERIAL SAFETY DATA SHEET and WARRANTY

T604-5F29

Date: June 29, 2005

## Section I Identification



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

Product Name:	LITHOTEX® Liquid Release
Chemical Name:	Mixture
Chemical Family:	Mixture
Chemical Formula:	Mixture
Emergency Telephone Number:	CHEMTREC (800) 424-9300
Telephone Number for Information:	SCOFIELD (770) 920-6000 (323) 720-3000

## Section II Composition/ Information on Ingredients

Composition	Weight	OSHA TWA	ACGIH TLV	CAS Number
Paraffins (petroleum)	40–60%	None Established	None Established	64771-72-8

## Section III Hazards Identification

**Emergency Overview:**  
**Combustible liquid. May cause eye irritation. Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. Product has a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death. Exposure to liquids, vapors, mists, or fumes should be minimized.**  
**Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a “corrosive” nor an “irritant” by OSHA criteria.**

**Potential Health Effects:**  
 Chronic Effects — **This product does not contain any ingredient designated by IARC, NTP, ACGIH, or OSHA as probable or suspected human carcinogens.**

**Signs and Symptoms of Exposure:**  
 Inhalation — **Irritation to the respiratory tract, headache, drowsiness, and dizziness.**  
 Eyes — **Redness, irritation, 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:**  
 Inhalation — **Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get medical attention.**  
 Skin — **Wash thoroughly with soap and water. Remove soiled clothing and footwear and wash before reuse.**  
 Ingestion — **If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.**  
 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.**  
**If symptoms persist or develop, get medical attention.**

# L. M. SCOFIELD COMPANY

Date: June 29, 2005

LITHOTEX® Liquid Release

## Section V Fire and Explosion Hazard Data

Flash Point (Method Used):	> 150° F
Flammable Limits:	Not determined
Extinguishing Media:	Water spray, dry chemical, foam, and CO <sub>2</sub> .
Special Fire Fighting Procedures:	<b>Use water spray, dry chemical, foam, or carbon dioxide to extinguish the fire. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes, or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.</b>
Unusual Fire and Explosion Hazards:	<b>Closed containers may rupture due to high buildup of pressure and weakening of the container structure when exposed to extreme heat. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition.</b>

## 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. Shut off and eliminate all ignition sources. 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. 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. Isolate from other chemicals and materials to avoid chemical incompatibility. Protect from physical damage. Labels must not be removed from containers. Product should only be stored in original containers. Do not reuse empty containers. Empty containers may contain residues which must be disposed of as detailed under *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.**

# MATERIAL SAFETY DATA SHEET and WARRANTY

LITHOTEX® Liquid Release

## Section VIII

### Exposure Controls/ Personal Protection (cont.)

Other Protective Clothing or Equipment: **Wear suitable clothing to avoid 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: **Clear, water-white liquid.**

Odor: **Faint petroleum hydrocarbon odor.**

Vapor Pressure (mm Hg.): **Not determined**

Vapor Density (Air = 1): **Not determined**

Boiling Point: **Not determined**

Melting Point: **Not applicable**

Solubility in Water: **Negligible**

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

Evaporation Rate (Butyl Acetate = 1): **Not determined**

## Section X

### Stability and Reactivity

Stability: **Stable**

Conditions to Avoid: **Excessive heat or open flame.**

Incompatibility (Materials to Avoid): **Strong oxidizing agents.**

Hazardous Decomposition or By-products: **Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Aldehydes.**

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 raw materials at 0.1% or greater designated by IARC, NTP, ACGIH, or OSHA as probable or suspected human carcinogens.**

## Section XII Ecological Information

Aquatic Toxicity Rating:

**LC<sub>50</sub> 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. Empty containers may still contain components listed in this MSDS on page 1 which are hazardous. Disposal of all residual product, used absorbent materials, and discarded equipment must be in accordance with all applicable federal, state, and local regulations.**

# MATERIAL SAFETY DATA SHEET and WARRANTY

LITHOTEX® Liquid Release

## Section XIII Disposal Considerations (continued)

Waste Disposal Method (continued): **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:  
EPA SARA Title III Chemical Listings —  
Section 302 Extremely Hazardous Substances: **None**  
Section 304 CERCLA Hazardous Substances: **None**  
Section 312 Hazard Class —  
Acute: **No** Chronic: **No** Fire: **Yes** Pressure: **No** Reactive: **No**  
Section 313 Toxic Chemicals — **None present or none present in regulated quantities.**  
EPA RCRA Hazardous Waste Codes — **"I" Ignitable**

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.**

## Section XVI Other Information

Before using this product:  
**Completely read the Scofield Tech-Data Bulletin T-604 LITHOTEX Liquid Release 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.