

LEACH & DILLON PRODUCTS  
161 COMSTOCK PARKWAY  
CRANSTON, R.I. 02921  
#401-464-5850  
FAX# 401-464-5862

MATERIAL SAFETY DATA SHEET

Date: January 2, 1997 Chem Trec (24 hrs.) 1-800-424-9300

MSDS LD#50

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1. PRODUCT IDENTIFICATION

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Product Name: Wilkote, Pearl Gold, Nu-Met Gold/Platinum &  
Nu-Met Nonprecious, Powders and Liquid

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2. HAZARDOUS COMPONENTS/INGREDIENTS

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	CAS #
<b>Powder:</b>	
Gold	7440-57-5
Platinum	744-06-4
Sodium Chloride	7647-14-5
Silica	7631-86-9
Feldspathic frits	68476-25-5
Lithium oxide	12057-24-8
Potassium oxide	17014-71-0
Tin oxide	18282-10-5
Sodium Oxide	1313-59-3
Strontium oxide	1314-11-0
Calcium oxide	1305-79-9
<b>Liquid:</b>	
Glycerol	56-81-5
Benzyl chloride	100-44-7
Distilled water	7732-18-5

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3. PHYSICAL DATA

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Boiling Point: 290°C, 483°F

Vapor Pressure: < 0.1

Specific Gravity: N/A

Appearance and Color: Golden colored paste

Melting Point: n/a

Vapor Density: (Air = 1)3.1

Solubility in Water: Moderate

Odor: Liquid with characteristic odor

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### 4. FIRE AND EXPLOSION HAZARD DATA

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**Flash Point (Method Used):** 320°F cc  
**Extinguishing Media:** Water, CO<sub>2</sub>, Dry chemical, Alcohol foam  
**Special Fire Fighting Procedures:** Spray with water to cool fire-exposed containers  
**Unusual Fire and Explosion Hazard:** Extremely hazardous when exposed to heat, flame and oxidizers

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### 5. REACTIVITY DATA

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**Stability:** Stable  
**Conditions to Avoid:** Exposure to heat, open flame, contact with strong oxidizers

**Hazardous Polymerization:** Will not occur  
**Hazardous Decomposition:** Aerolean, chloride fumes, oxides of carbon, nitrogen, sulfur.

**Incompatibility:** Ammonia and hydrogen peroxide may produce explosive compounds.

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### 6. HEALTH HAZARD DATA

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**Inhalation:** Acute: May cause respiratory distress  
Chronic: N/A  
First Aid: Remove to fresh air. Seek medical attention.

**Ingestion:** Acute: Burning, internal distress.  
Chronic: N/A  
First Aid: Do not induce vomiting. Seek medical attention.

**Skin:** Acute: Causes burns  
Chronic: Dermatitis  
First Aid: Wash with soap and water. Seek medical attention.

**Eyes:** Acute: Mixture may burn eyes. May cause blindness.  
Chronic: N/A  
First Aid: Flush with water for 15 mins. Seek medical attention.

**Signs & Symptoms of Exposure:** Burning eyes, respiratory distress, internal distress

**Medical Conditions Generally Aggravated by Exposure:** Preexisting skin, eye and respiratory disorders.

**Carcinogenicity:** N/A

**MSDS LD50**

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**7. PRECAUTIONS FOR SAFE HANDLING AND USE**

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**Steps to be Taken in Case of a Spill or Leak:** Keep powder and dust to a minimum. Cover with absorbant and sweep up. Flush liquid spill with water.

**Disposal:** In compliance with all current Local, State, and Federal regulations.

**Precautions to be Taken in Handling & Storing:** Store in cool dry, well ventilated area. Wash thoroughly after handling.

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**8. CONTROL MEASURES**

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**Ventilation and Respiratory Protection:** Normal, local ventilation

**Other Protective Equipment:** Safety glasses and gloves recommended.

**Work/Hygienic Practices:** Avoid inhalation or ingestion. Practice good housekeeping, avoid eating and smoking in the work area.

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**9. SUPPLIER NOTIFICATION**

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Information and data are taken from sources believed to be reliable and correct, but cannot be warrented by manufacturer. User is responsible to determine suitability of material for specific application.