

21937-XXXXMSDS Terry Ludwig Pastels
September 4, 2008

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MATERIAL SAFETY DATA SHEETDATE OF MSDS: September 4, 2008
SUPPLIER/DISTRIBUTOR: Terry Ludwig Pastels LLC
ADDRESS: 8113 W. Brandon Drive,
Littleton, Colorado
80125-9765INFORMATION TELEPHONE: 303-795-1232
Email ADDRESS: customerservice@terryludwig.com**EMERGENCY TELEPHONE NUMBER**For Chemical Emergency
Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or NightDOMESTIC NORTH AMERICA 800-424-9300
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)**SECTION I. - PRODUCT IDENTIFICATION**PRODUCT NAME: Terry Ludwig Pastels:
PRODUCT SIZES: 9-18 grams per stick
PRODUCT CLASS: Artist Soft Pastels**SECTION II - HAZARDOUS INGREDIENTS**Pigment Yellow 74 (CAS 6358-31-2). Disposal regulations. Section IX contains details.
Chromium (III) Oxide Green (CAS 1308-38-9). ACGIH TLV: 0.5 mg/M³ TWA. Section IX contains details.**SECTION III - PHYSICAL AND CHEMICAL PROPERTIES**

These pastels are soft solids:

Boiling Point: N/A	Melting Points: Variable	Vapor Pressure: N/A
Specific Vapor Density (Air = 1): N/A	Specific Gravity: N/A	Solubility in water: N/A
Reactivity in Water. Non- reactive	Appearance and Odor: Solid pastels. Various colors	

SECTION IV - FIRE AND EXPLOSION INFORMATIONFlash Point (Method): N/A
Auto ignition Temperature: N/A
Explosion Limits in Air (%Vol): Not Explosive
Extinguishing Media: No Special Media Required

Item Numbers: 21937-1009, 21937-1019, 21937-1029, 21937-1309, 21937-2005, 21937-2010, 21937-2020, 21937-2030, 21937-2040, 21937-2044, 21937-2046, 21937-2050, 21937-2060, 21937-2070, 21937-2080, 21937-2082, 21937-2084, 21937-2085, 21937-2090, 21937-2100, 21937-2110, 21937-2120, 21937-2130, 21937-2140, 21937-2150, 21937-2160, 21937-2170, 21937-2180, 21937-2190, 21937-2200, 21937-2210, 21937-2220, 21937-2230, 21937-2240, 21937-2245, 21937-2250, 21937-2260, 21937-2270, 21937-2280, 21937-2290, 21937-2300, 21937-2304, 21937-2306, 21937-2309, 21937-2310, 21937-2320, 21937-2330, 21937-2340, 21937-2360, 21937-2370, 21937-2380, 21937-2390, 21937-2400, 21937-2410, 21937-2420, 21937-2430, 21937-2440, 21937-2450, 21937-2460, 21937-2470, 21937-2480, 21937-2490, 21937-2500, 21937-2510, 21937-2520, 21937-2530, 21937-2540, 21937-2550, 21937-3010, 21937-3020, 21937-3030, 21937-3040, 21937-3050, 21937-3060, 21937-3070, 21937-3080, 21937-3090, 21937-3100, 21937-3110, 21937-3120, 21937-3130, 21937-3140, 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Fire Fighting Procedures: None Required
Unusual Fire / Explosion Hazards: Not combustible
Extinguishing media: In case of fire use water or CO₂.

SECTION V - PHYSICAL HAZARDS/REACTIVITY

Hazardous Polymerization Products: None
Stability: Stable Conditions to Avoid: None
Incompatibility (Materials to Avoid): None
Hazardous Decomposition Products: None

SECTION VI - HEALTH HAZARD INFORMATION

No acute health effects expected.
Primary Routes of Exposure: Skin or eye contact.
Signs and symptoms of exposure:
Inhalation or swallowed: None identified. Most ingredients are acceptable for use in foods or cosmetics.
Eye contact: Mild irritation possible.
Skin contact: Mild irritation may develop with prolonged contact.
Medical conditions generally aggravated by exposure: No information located.

Hexavalent chromium as a possible trace contaminant of pastels containing Chromium Oxide (III) Green may be hazardous, causing both acute and chronic toxicity. Section IX contains additional information.

GENERAL FIRST AID MEASURES FOR OVEREXPOSURE

No acute or chronic toxicity or health effects expected. Wash from skin or eyes with water.

SECTION VII - SPILL OR LEAK PROCEDURES

Precautions to be taken during storage and handling: None Required.
Steps to be taken in case a material is spilled: None Required
Waste disposal: Dispose in accordance with Federal State, and Local regulations.

SECTION VIII - PROTECTIVE EQUIPMENT/CONTROL MEASURES

Respiratory Protection and Special Ventilation Requirements: None Required
Other protective equipment (Gloves, Goggles, etc): None Required
Work/Hygiene Practices: None Required

SECTION IX - ADDITIONAL INFORMATION AND WARNINGS

The Terry Ludwig pastels are art materials. The ingredients and the formulations have been reviewed using ASTM D-4236 standards as published in the Federal Register dated Friday, October 9, 1992, revised January 17, 2008, and entitled "Part II. Consumer Product Safety Commission. 16 CFR Part 1500." These

Item Numbers: 21937-1009, 21937-1019, 21937-1029, 21937-1309, 21937-2005, 21937-2010, 21937-2020, 21937-2030, 21937-2040, 21937-2044, 21937-2046, 21937-2050, 21937-2060, 21937-2070, 21937-2080, 21937-2082, 21937-2084, 21937-2085, 21937-2090, 21937-2100, 21937-2110, 21937-2120, 21937-2130, 21937-2140, 21937-2150, 21937-2160, 21937-2170, 21937-2180, 21937-2190, 21937-2200, 21937-2210, 21937-2220, 21937-2230, 21937-2240, 21937-2245, 21937-2250, 21937-2260, 21937-2270, 21937-2280, 21937-2290, 21937-2300, 21937-2304, 21937-2306, 21937-2309, 21937-2310, 21937-2320, 21937-2330, 21937-2340, 21937-2360, 21937-2370, 21937-2380, 21937-2390, 21937-2400, 21937-2410, 21937-2420, 21937-2430, 21937-2440, 21937-2450, 21937-2460, 21937-2470, 21937-2480, 21937-2490, 21937-2500, 21937-2510, 21937-2520, 21937-2530, 21937-2540, 21937-2550, 21937-3010, 21937-3020, 21937-3030, 21937-3040, 21937-3050, 21937-3060, 21937-3070, 21937-3080, 21937-3090, 21937-3100, 21937-3110, 21937-3120, 21937-3130, 21937-3140, 21937-3150, 21937-3160, 21937-3170, 21937-3180, 21937-3190, 21937-3200, 21937-3210, 21937-3220, 21937-3230, 21937-3240, 21937-3250, 21937-3260, 21937-3270, 21937-3280, 21937-3290, 21937-3300, 21937-3310, 21937-3320, 21937-3330, 21937-3340, 21937-3350, 21937-3360, 21937-3370, 21937-3380, 21937-3390, 21937-3400, 21937-3402, 21937-3404, 21937-3406, 21937-3410, 21937-3420, 21937-3430, 21937-3440, 21937-3450, 21937-3460, 21937-3470, 21937-3609, 21937-4010, 21937-4020, 21937-4030, 21937-4040, 21937-4050, 21937-4060, 21937-4070, 21937-4080, 21937-4090, 21937-4100, 21937-4110, 21937-4120, 21937-4130, 21937-4140, 21937-4150, 21937-4160, 21937-4170, 21937-4180, 21937-4190, 21937-4200, 21937-4210, 21937-4220, 21937-4230, 21937-4240, 21937-4250, 21937-4260, 21937-4270, 21937-4280, 21937-4290, 21937-4300, 21937-4310, 21937-4320, 21937-4330, 21937-4399, 21937-4609, 21937-5010, 21937-5020, 21937-5030, 21937-5040, 21937-5050, 21937-5060, 21937-5070, 21937-5075, 21937-5080, 21937-5090, 21937-5100, 21937-5110, 21937-5115, 21937-5120, 21937-5130, 21937-5140, 21937-5150, 21937-5160, 21937-5170, 21937-5180, 21937-5190, 21937-5200, 21937-5210, 21937-5239, 21937-5310, 21937-5320, 21937-5330, 21937-5340, 21937-5350, 21937-5360, 21937-5370, 21937-5380, 21937-5390, 21937-5395, 21937-5400, 21937-5410, 21937-5420, 21937-5430, 21937-5440, 21937-5450, 21937-5460, 21937-5470, 21937-5480, 21937-5490, 21937-5500, 21937-5520, 21937-5530, 21937-5540, 21937-5550, 21937-5560, 21937-5580, 21937-5590, 21937-5600, 21937-5610, 21937-5620, 21937-5624, 21937-5626, 21937-5630, 21937-5640, 21937-5650, 21937-5660, 21937-5670, 21937-5675, 21937-6010, 21937-6020, 21937-6030, 21937-6040, 21937-6050, 21937-6060, 21937-6070, 21937-6080, 21937-6090, 21937-6100, 21937-6110, 21937-6120, 21937-6130, 21937-6140, 21937-6150, 21937-6160, 21937-6170, 21937-6180, 21937-6190, 21937-6200, 21937-6210, 21937-6220, 21937-6230, 21937-6240, 21937-6250, 21937-6260, 21937-6270, 21937-6280, 21937-6290, 21937-6300, 21937-6310, 21937-6320, 21937-6330, 21937-6340, 21937-6350, 21937-6360, 21937-6370, 21937-6380, 21937-6390, 21937-6400, 21937-6410, 21937-6420, 21937-6430, 21937-6440, 21937-6450, 21937-6460, 21937-6470, 21937-6480, 21937-6490, 21937-6500, 21937-6510, 21937-6520, 21937-6530, 21937-6540, 21937-6550, 21937-6560, 21937-6570, 21937-7009, 21937-7010, 21937-7019, 21937-7020, 21937-7029, 21937-7030, 21937-7040, 21937-7050, 21937-7060, 21937-7064, 21937-7066, 21937-7070, 21937-7080, 21937-7090, 21937-7100, 21937-7110, 21937-7120, 21937-7130, 21937-7140, 21937-7150, 21937-7160, 21937-7170, 21937-7180, 21937-7190, 21937-7200, 21937-7210, 21937-7220, 21937-7230, 21937-7240, 21937-7250, 21937-7260, 21937-7270, 21937-7280, 21937-7290, 21937-7300, 21937-7310, 21937-7320, 21937-7330, 21937-7340, 21937-7350, 21937-7360, 21937-7370, 21937-7380, 21937-7390, 21937-7400, 21937-7410, 21937-7420, 21937-7430, 21937-7440, 21937-7450, 21937-7460, 21937-7470, 21937-7480, 21937-7490, 21937-7500, 21937-7505, 21937-7510, 21937-7520, 21937-7530, 21937-7540, 21937-7550, 21937-7560, 21937-7570, 21937-7580, 21937-7590, 21937-7600, 21937-7610, 21937-7620, 21937-7630, 21937-7640, 21937-7650, 21937-

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pastels are not expected to present a meaningful acute or chronic oral, dermal or inhalation hazard when used as intended, or misused in a reasonable foreseeable manner.

Pigment Yellow 74 (CAS 6358-31-2). Regulated by 29 CFR 1910.1200 (OSHA). Regulations may govern disposal (due to presence of a proprietary surfactant).

California Proposition 65. Chromium Oxide Green (III) is approved for use in cosmetics when batch certified by the U.S. Food and Drug Administration. Chromium Oxide Green III (Elementis Pigments, Inc.) may contain about 100 ppm of hexavalent chromium. Hexavalent chromium is on the California Governor's list of "chemicals known to cause cancer or reproductive toxicity." The California Health and Welfare Agency has established a "no significant risk" level for hexavalent chromium of 0.001 micrograms/day. Workplace exposures to this product below the TLV for chromic oxide could result in exposures to hexavalent chromium in excess of 0.001 microgram/day. OSHA regulates soluble chromium salts (as Cr) in the atmosphere; TLV: 0.5 mg/M³ 0.5 mg/M.

SARA Title III: Section 313 Supplier Notification. This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. Chromium compound 99+%. This information must be included in all MSDSs that are copied and distributed for this material.

SECTION X - COLOR INFORMATION

The pastels contain one or more of the following colorants:

Colorant	CAS Number	Comment
Pigment Black 11	12227-89-3	
Bone Black #6	8021-99-6	
Burnt Sienna	1317-63-1	
Brown #6	52357-70-7	
Cobalt Aluminate Blue Spinel	1345-16-0	
Perm. Red 2B-2313	7023-61-2	
Green Chromium (III) Oxide Powder	1308-38-9	May be contaminated with 100 ppm Hexavalent Chromium
Yellow #43	1317-63-1	
Raw Umber	12713-03-0	
Red #101	1332-37-2	
Cobalt Aluminate Blue Spinel	1345-16-0	
Ultramarine Blue	0057455-37-5	
Carbazole Violet	6358-30-1	
Naphthol Red N-7155	2786-76-7	
Pigment Yellow 74	6358-31-2	Contains environmentally harmful surfactant
Titanium dioxide	13463-67-7	

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CONFIRM INFORMATION BEFORE USE. This document consists of four pages and is valid only as written. Changes in this document should be identified by date and by person at the time of the changes. The data shown herein are taken from sources judged to be reliable. However, the user should judge both the accuracy and the suitability of this information for any intention or purpose. No warranty concerning the information presented herein is given either by Terry Ludwig Pastels, LLC, or by James R. Beall.

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===== END OF MSDS =====

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