



Material Safety Data Sheet

Date Prepared October 31, 2011, Revised June 04, 2012

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SECTION 1: PRODUCT IDENTIFICATION

Product Name: Lythic Duet Colors for Concrete

Distributor: Lythic Solutions, Inc.
PO Box 5028
Vancouver, WA 98668

Phone: 888-598-4421

Part Numbers: Lythic Duet Colors' specific names include but are not limited to:
Amber, Buckskin, Buff, Calypso, Capitol Blue, Charcoal, Chestnut, Coral, Chantenay,
Corn Flower, Echidna, Galliano, Heliotrope, Leather, Lemon Zest, Leviathan, Navy Blue, Pine,
Rim Rock, Rose Red, Spruce, Steel, Terra Cotta, Turf Green, Wheat

HMIS Codes:

Health Hazard	Fire Hazard	Physical Hazard
1	1	0

SECTION 2: MATERIAL COMPOSITION INFORMATION

Ingredient	%	CAS #	APPLICABLE EXPOSURE LIMITS		
			OSHA	ACGIH	OTHER
Silica, amorphous, precipitated	5-7%	7631-86-9	80mg/M ³ / %SiO ₂	10ppm <1% crystalline silica	N/A
2-Butoxyethanol	< 1%	111-76-2	50 ppm	20 ppm	N/A
Glycol Ether DB	< 1%	112-34-5	50 ppm	20 ppm	N/A
Glycol Ether EP	< 1%	2807-30-9	Not Established	Not Established	
Cr (III) (complexed in dye molecule)	2-5%	7440-47-3	0.5 mg/m ³	0.5 mg/m ³	
Water	75-85%	7732-18-5	Not Established	Not Established	N/A

SECTION 3: HEALTH HAZARDS

Routes of Exposure: Eye Contact, Skin Contact, Ingestion, Inhalation

Exposure Standards: No exposure standards established for the product. Maintain contaminant concentrations in the workplace at the lowest feasible levels.

SECTION 3: HEALTH HAZARDS (CONTINUED)

Health Hazards:

Acute: May cause eye, skin, gastrointestinal, and lung irritation. Inhalation of large quantities of mist or vapor may cause central nervous system depression.

Chronic: Prolonged and repeated exposures to high concentrations may cause mild reversible damage to kidneys, liver, and lymphatic system.

Skin Contact: May cause irritation and redness.

Eye Contact: May cause redness, tearing, stinging and swelling of the eyes. Direct contact may cause permanent eye damage.

Inhalation: May cause headache, nausea, or lung irritation.

Ingestion: May cause gastrointestinal irritation. Aspiration of the material into the lungs can cause chemical pneumonitis, which can be fatal. Unlikely to be ingested in harmful quantities.

Medical Conditions Generally Aggravated by Exposure: Persons with pre-existing skin, eye, or lung disorders may be more susceptible to the effects of the substance.

Carcinogens: This product contains no carcinogens in concentrations of 0.1 percent or greater as defined by OSHA, ACGIH, IARC, or other body.

Cr(III) is listed Group 3 unclassifiable for human carcinogenicity by IARC. All Cr(III) is in solution, eliminating inhalation exposure except inhalation of the mist during application.

SECTION 4: FIRST AID MEASURES

Eye Contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation persists.

Skin Contact: Wash affected area with soap and water. Wash clothing before reuse.

Ingestion: DO NOT INDUCE VOMITING. Give large quantities of water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention immediately.

Inhalation: Move victim to fresh air and provide oxygen if breathing is difficult. Seek medical attention.

SECTION 5: FIRE AND EXPLOSION DATA

As prepared, "Duet Colors" are not flammable.

Flash Point : not determined

Suitable Extinguishing Media: Dry chemical, CO₂, water fog, or alcohol-resistant foam

Special Firefighting Procedures: Evacuate area and fight fire from a distance. Firefighters wear NIOSH approved self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Containment Procedures: Stop the leak and absorb spill. Ventilate the space involved. Shut off or remove all ignition sources if possible. Use recommended personal protective clothing and equipment.

Methods for Cleanup and Disposal: Do not allow material to run off work area, excess material should be absorbed or vacuumed and disposed of in accordance with regulations. Dispose of material in accordance with federal, state, and local guidelines. Place spilled material in an appropriate container for disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid contact with skin or eyes. use good industrial hygiene practices and safety guidelines.

Storage: Keep in cool, dry, ventilated storage. Keep containers tightly closed when not in use.

Waste Disposal Method: Dispose of material in accordance with federal, state, and local guidelines.

Special Precautions: Avoid breathing mist. Keep from freezing. Adhere to work practice rules established by government regulations (e.g. OSHA).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Use NIOSH-approved organic vapor respirator when exposure levels can't be kept below limits.

Ventilation: Provide adequate mechanical ventilation to keep exposure levels below TLV's.

Protective Gloves: Wear impervious chemical gloves.

Eye Protection: Wear chemical safety glasses.

Other Protective Clothing or Equipment: As needed to prevent repeated/prolonged contact.

Work/Hygienic Practices: Use only in adequately-ventilated area unless recommended respiratory protection is used. Wash thoroughly with soap and water after handling and before eating, smoking, or using washroom. If clothes become contaminated, change to clean clothing and wash contaminated clothes before re-use.

SECTION 9: PHYSICAL AND CHEMICAL CHARACTERISTICS

Form: Liquid

pH: Not Applicable

Color: various, opaque

Flash Point: not determined

Odor: Slight alcohol or glycol ether

Boiling Point: not determined

Vapor Pressure: not determined

Water Solubility: Miscible

Vapor Density: not determined

VOC Content: < 60 g/l (as a concentrate)

SECTION 10: STABILITY/REACTIVITY

Stability:	Stable under normal conditions
Incompatibilities (Materials to avoid):	Acids, oxidizers, halogens and halogen compounds; aldehydes
Hazardous Decomposition Products: (from burning, heating or reaction with other materials)	Carbon monoxide Carbon dioxide Others possible
Conditions to avoid:	Heat, sources of ignition

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Health Hazard

Ingestion: No data is available on the product itself.

Ingestion - Components at 100% concentration 2-Butoxyethanol	LD50 : 470 mg/kg	Species : Rat
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Inhalation: No data is available on the product itself.

Inhalation - Components at 100% concentration 2-Butoxyethanol	LC50 (4 h) : 450 ppm	Species : Rat
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Dermal: No data is available on the product itself.

Dermal - Components at 100% concentration 2-Butoxyethanol	LD50 : 220 mg/kg	Species : Rabbit
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Eye Irritation/Corrosion: Moderate eye irritation.

Chronic Health Hazard

There is no data available on the product itself.

Components at 100% concentration: 2-Butoxyethanol, Cr(III)
May cause adverse mutagenic and reproductive effects based on the animal testing.
Prolonged and repeated exposure to high concentrations may cause damage to kidneys, liver, and lymphatic system.

SECTION 12: ECOLOGICAL INFORMATION

Not Established / Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal : Dispose of container and unused contents in accordance with federal, state, and local requirements.

Special Precautions: None

RCRA: Not established

SECTION 14: TRANSPORT INFORMATION

DOT / IATA: Not dangerous goods. Not regulated

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

TOXIC SUBSTANCES CONTROL ACT (TSCA): The components of this product are included on the inventory list.

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION, AND LIABILITY ACT OF 1980 (CERCLA): Components present in this product at level which could require reporting under the statute are: NONE

SUPERFUND AMENDMENTS and REAUTHORIZATION ACT OF 1986 (SARA) TITLE III:

Section 301 – 304 require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355. Components present in this product at a level which could require reporting under this statute are: NONE

Sections 311 – 312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known.
Acute Health Hazard, Chronic Health Hazard

Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS's that are copied and distributed for this material. Components present in this product at level which could require reporting under the statute are: NONE

STATE REGULATIONS

PROPOSITION 65 CALIFORNIA: This product does not contain any substances known to the State of California to cause cancer and/or reproductive toxicity.

SECTION 16: OTHER INFORMATION

Disclaimer: The facts and recommendations contained herein are based on our own research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made as we cannot cover every possible application for our products, nor anticipate variations encountered in manufacturing equipment and methods. Products discussed are sold without warranty, express or implied and on the condition that purchasers shall make their own determination as to the suitability of such products for their particular purposes. Seller shall not be liable for any injury, loss, or damage, direct or consequential arising from the use or inability to use the product. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patents.