

**MATERIAL SAFETY DATA SHEET**  
**VIVID CONCRETE DYE**

Prepared according to 29CFR 1910.1200

Page 1 of 3  
MSDS NO: 251

DATE PREPARED: March 2007

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**SECTION I - IDENTIFICATION**

L&M CONSTRUCTION CHEMICALS, INC.  
14581 CALHOUN ROAD  
OMAHA, NE 68152

ASSISTANCE (CHEMTREC) 800-424-9300  
EMERGENCY PHONE NO. 402-453-6600

UN NO.: Not Applicable  
DOT CLASS: Non-regulated

PRODUCT NAME: **VIVID CONCRETE DYE**

CHEMICAL  
NAME: 2:1 CHROMIUM COMPLEX AZO DYE

DOT SHIPPING NAME: Not Applicable

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**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<u>INGREDIENT</u>	<u>CAS#</u>	<u>OSHA/PEL</u>	<u>% by WT.</u>
Chromium III compound	None	0.5 mg/m <sup>3</sup>	>50%
[N090]Chromium as an integral part of dye molecule	7440-47-3	0.5 mg/m <sup>3</sup>	>3%

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**SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS**

Color Names: Gold, Raw Sienna, Caramel, Sand, Terra Cotta, Coffee, Brown, Walnut, Burnt Sienna, Chestnut, Maroon, Sepia, Eggplant, Gray, Black, Midnight Black, Patriot Blue, Turquoise, Slate Blue, Green, Pine Green, Forest Green

Odor:

Odorless

Solubility in Water:

Insoluble

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point and Method: NA

Flammable Limits: LEL: NA

UEL: NA

Extinguishing Media: WATER SPRAY, DRY CHEMICALS, FOR OR CARBON DIOXIDE.

Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR FULL-FACE, SELF-CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING.

Unusual Fire and Explosion Hazards: NONE EXPECTED, BUT AVOID THE BUILD UP OF DYE DUST CLOUDS WHICH COULD BE EXPLOSIVE, AS OTHER ORGANIC POWDERS ARE.

**SECTION 5 – REACTIVITY DATA**

Stability: STABLE UNDER NORMAL STORAGE CONDITIONS.

Incompatibility: (Materials to Avoid): OXIDIZING AND REDUCING AGENTS.

Hazardous Decomposition Products: BURNING WILL PRODUCE OXIDES OF CARBON, NITROGEN AND SULFUR.

Hazardous Polymerization: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

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**SECTION VI – HEALTH HAZARD DATA**

Effects of Overexposure

Acute: MAY CAUSE SLIGHT IRRITATION OF EYES AND/OR SKIN.

Chronic: NO CHRONIC ILL EFFECTS KNOWN.

Eyes: IMMEDIATE AND CONTINUOUS IRRIGATION WITH FLOWING WATER FOR AT LEAST FIFTEEN MINUTES. CONSULT PHYSICIAN IF IRRITATION OCCURS.

Skin: IMMEDIATELY FLUSH SKIN WITH PENTY OF WATER. WASH WELL WITH SOAP AND WATER. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Ingestion: IF CONSCIOUS, GIVE TWO GLASSES OF WATER TO DILUTE. INDUCE VOMITING ONY IF ADVISED BY POISON CONTROL CENTER.

Inhalation: REMOVE TO FRESH AIR. IF EFFECTS OCCUR, CONSULT PHYSICIAN

Toxicological Information

LD50 Oral (Ingestion)	N.E.
LD50 Dermal (Skin Contact)	N.E.
LC50 (Inhalation)	N.E.
Primary Route of Exposure	N.E.
Threshold Limit Value	N.E.

NFPA Product code - Health: 1, Fire: 1, Reactivity: 0, Specific: N.A

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**SECTION VII – PRECAUTIONS FORF SAFE HANDLING AND USE**

Precautions To Be Taken In Handling and Storing: AVOID BREATHING DUST, AVOID CONTACT

WITH EYES AND SKIN. MAINTAIN GOOD HOUSEKEEPING TO AVOID DUST BUILD UP. AVOID INGESTION, EYE AND SKIN CONTACT. MINIMIZE INHALATION EXPOSURE BY USING DUST RESPIRATOR.

**VIVID CONCRETE DYE**  
**SECTION VII continued:**

Page 3 of 3

WASH HANDS AFTER USING DYE TO AVOID CONTACT OF THE SKIN OR EYES WITH CONTAMINATED HANDS. WASH THOROUGHLY AFTER HANDLING. STORE IN A DRY PLACE AWAY FROM EXCESSIVE HEAT, IN ORIGINAL OR SIMILAR WATERPROOF CONTAINERS. RESEAL CONTAINERS IMMEDIATELY AFTER USE.

Practices: HANDLE WITH DUE CARE AND MINIMIZE EXPOSURE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTICE.

Ventilation: USE LOCAL EXHAUST VENTILATION TO MINIMIZE EXPOSURE.

Respiratory: A NIOSH/MSHA APPROVED DUST RESPIRATOR SHOULD BE WORN.

Eye Protection: WEAR SIDE-SHIELD SAFETY GLASSES OR CHEMICAL SAFETY GOGGLES.  
Protective Gloves: WEAR IMPERVIOUS GLOVES AS A STANDARD HANDLING PROCEDURE.

Other: DELUGE SAFETY SHOWER, EYE WASH STATION, PROTECTIVE CLOTHING.

All chemicals should be handled so as to prevent eye contact and excessive or repeated skin contact. Appropriate eye and skin protection should be employed. Inhalation of dusts and vapors should be avoided.

NFPA Fire Hazards Codes - Minimal:0, Slight:1, Moderate:2, Severe:4

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**SECTION VIII – CONTROL MEASURES**

Accidental Release Measures: UTILIZE RECOMMENDED PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION. MIX MATERIAL WITH SWEEPING COMPOUND TO MINIMIZE DUSTING WHILE SWEEPING UP AND CONTAINING. VACUUM CONTAMINATED AREA.

Disposal Considerations: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTIED CONTAINERS RETAIN PRODUCT

TSCA: ALL COMPONENTS OF THIS RODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCE CONTROL ACT.

SARA HAZARD CLASS: ACUTE

SECTION 313: THIS DYE STUFF 100% BY WEIGHT CHROMIUM COMPOUND (N090)WHICH IS REPORTABLE UNDER SECTION 313.

**DISCLAIMER**

Information contained herein is, to our best knowledge, true and accurate. It is offered for information only, as we cannot guarantee the results of processes not under our direct control.

Prepared by Stuart Wood, August 23, 2005.

N.E. - Not Established    N.A. - Not Applicable