



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

**CHROMIX® L Admixtures for Color-Conditioned® Concrete - 8820, or 8830, or 8710. Including L10 Black, L20 Light Red, L25 Medium Red, L30 Yellow, L40 White and all mixed colors. Also includes SCOFIELD® Integral Color Utility Grade Liquid - 8815, all colors**

SDS according to GHS OSHA 29 CFR 1910.1200 and 1272/2008/EC (CLP) amending 1907/2006/EC (REACH)

## 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

### 1.1 GHS Product Identifier

**Commercial Product Name:** CHROMIX® L Admixtures for Color-Conditioned® Concrete - 8820, - 8830, - 8710 (pails) includes: L10 Black, L20 Light Red, L25 Medium Red, L30 Yellow and L40 White. Also includes SCOFIELD® Integral Color Utility Grade Liquid - 8815, all mixed colors.

### 1.2 Relevant identified uses of product:

CHROMIX® L Admixtures for Color-Conditioned® Concrete - 8820, 8830 and 8710 and SCOFIELD® Integral Color Utility Grade - 8815 are concentrated pigment dispersions designed to permanently color concrete or other cementitious materials. Scofield products are intended for use only by professionals. **KEEP OUT OF THE REACH OF CHILDREN.**

### 1.3 Details of the supplier of the safety data sheet:

**L. M. SCOFIELD Company, A SIKA COMPANY** Scofield Phone #: (800) 800-9900 [www.scofield.com](http://www.scofield.com)  
6533 Bandini Blvd, Los Angeles, CA 90040 Information Phone Number (323) 720-3000 M-F 8AM-5PM  
4155 Scofield Road, Douglasville, GA 30134 Information Phone Number (770) 920-6000 M-F 8AM-5PM

### 1.4 Transportation Emergency Telephone Number: CHEMTREC (800) 424-9300

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of substance or mixture:

GHS-US Hazard classification

Skin irritant, STOT, SE, H313, Category 5

Eye irritant, STOT, SE, H320, Category 2

Human Health: Product can damage eyes. Avoid getting product into eyes. Product can irritate skin.

Environment: Product is not considered to be dangerous to the environment.

### 2.2 Label elements:

#### GHS Hazard (H) Statements

##### Acute toxicity

H313--May be harmful in contact with skin

H320--Causes eye irritation



GHS Pictogram

GHS Category Key

1 = Most Hazardous

5 = Least Hazardous

GHS Signal Word: WARNING

##### Chronic Toxicity

Water dispersed iron oxide pigments have no known chronic effects or carcinogenicity.

IARC lists titanium dioxide as a 2B possible carcinogen



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**GHS Precaution (P) Statements:**

**Prevention precautionary statements**

P280--Wear protective gloves/eye protection

P284--In case of inadequate ventilation, wear respiratory protection

**Response precautionary statements**

P305+P351+P338--**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contacts if present and easy to do. Continue rinsing.

P337+P313--If eye irritation persists, get medical attention.

**Disposal precautionary statements**

P501--Dispose of contents/container in accordance with applicable local/state/regional/federal regulations.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS:** No other hazards are known.

Refer to Section 16 for wording of terms.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Various Metal Oxide Pigments**

**3.2 Mixture:**

Components of Mixture	CAS #	EINECS #	Weight %
Iron Oxide Pigment Red, Fe <sub>2</sub> O <sub>3</sub>	1309-37-1	215-168-2	0-70%
Iron Oxide Pigment Black, Fe <sub>3</sub> O <sub>4</sub>	1317-61-9	215-277-5	0-70%
Iron Oxide Pigment Yellow, FeO·OH	20344-49-4	257-098-5	0-70%
Titanium Dioxide Pigment White, TiO <sub>2</sub>	13463-67-7	236-675-5	0-70%

The composition and exact percentages in this product have been withheld as trade secrets and confidential business information.

**4 FIRST AID MEASURES**

**4.1 Description of first aid measures:**

Eye Contact : Quickly flush with plenty of clean water for 15 minutes. Remove contact lenses if easy to do. Open eyelids widely during flushing. If irritation persists, transport person to emergency room and bring these instructions for doctor. Provide easy access to eye wash station in work area.

Inhalation: Move person to fresh air, make comfortable for breathing. Get medical attention if condition worsens.



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**4.1 Description of first aid measures:** (continued)

Skin Contact: May result in skin irritation. Remove contaminated clothing. Wash skin with soap and water.

Ingestion: May cause irritation of mouth, throat, esophagus and gastrointestinal tract. Do not induce vomiting. Give large amounts of water. Call 911 or a POISON CENTER (800) 222-1222 for first aid advice. Get medical attention if needed.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Refer to SECTION 11 for more detailed information on health effects and symptoms.

Primary routes of entry include: Eye Contact, Skin Contact, Ingestion

**5 FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media:** Use fire extinguishing media appropriate for surrounding fire.

**5.2 Special Hazards arising from the substance or mixture:**

Fire or explosion hazard Not flammable. Not an explosion hazard.

Reactivity: Hazardous reactions will not occur.

Other Hazards: Spills can be slippery, exercise care to avoid slipping.

**5.3 Advice for fire-fighting:** Use normal fire fighting equipment.

**6 ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions :**

General measures: Use personal protective equipment. See section 8 for additional information.

Protective equipment: Wear suitable protective clothing with eye protection and gloves.

**6.2 Environmental precautions:**

Avoid discharge into waterways, sewers and soil. If spill enters water, contact local authorities.

**6.3 Methods and material containment and cleaning up:**

Method of cleaning up: May be slippery. Use caution. Contain spill with absorbent materials or collect with a wet vacuum.

**7 HANDLING AND STORAGE**

**7.1 Precautions for safe handling:**

Always wash hands immediately after handling product. Do not eat or drink in area where product is being used.

**7.2 Conditions for safe storage including any incompatibilities:**

Do not allow product to freeze.

**7.3 Specific end uses:**

This product is intended for use only by professionals to integrally color new architectural concrete.





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**10 STABILITY AND REACTIVITY**

- 10.1 Reactivity:** Not reactive
- 10.2 Chemical stability:** Product can react with strong acids.
- 10.3 Possibility of hazardous reactions:** Hazardous reactions do not normally occur.
- 10.4 Conditions to avoid:** Avoid contact with strong acids
- 10.5 Incompatible materials:** Strong acids
- 10.6 Hazardous decomposition products:** Pigment dispersion does not decompose under normal conditions.

**11 TOXICOLOGICAL INFORMATION**

Toxicological results of testing

Components of Mixture, Formula	LD <sub>50</sub> (Rat oral)	LC <sub>50</sub> Inhalation	LD <sub>50</sub> Irritation of skin/eyes or sensitizing
Iron Oxide Pigment Red, Fe <sub>2</sub> O <sub>3</sub>	>5,000 mg/kg	210 mg/m <sup>3</sup> 2 weeks duration, rat	Dermal skin, not sensitizing, guinea pig
Iron Oxide Pigment Black, Fe <sub>3</sub> O <sub>4</sub>	>2,000 mg/kg	No data available	Dermal skin, not sensitizing, guinea pig
Iron Oxide Pigment Yellow, FeO·OH	>10,000 mg/kg	195 mg/m <sup>3</sup> 2 weeks duration, rat	50 mg, 7 days, rabbit, edema of eyes
Titanium Dioxide, TiO <sub>2</sub>	>12,000 mg/kg	6.82 mg/L 4 hr, rat	Dermal skin, 10,000 mg/kg, rabbit

- a) acute toxicity, Not classified as acutely toxic material.
- b) skin corrosion/irritation, Pigment dispersions can cause skin irritation from mechanical irritation.
- c) eye damage/irritation, Pigment dispersions can cause eye damage (as a mechanical irritant, do not rub eyes).
- d) respiratory or skin sensitization, Not classified as a respiratory sensitizer or skin sensitizer.
- e) germ cell mutagenicity Product does not cause germ cell mutagenicity.
- f) carcinogenicity by agency: All components of this product, present at 0.1% or greater are not identified by ACGIH or OSHA as probable, possible or confirmed carcinogens.
- g) reproductive toxicity, Product does not cause or contribute to reproductive toxicity.
- h) STOT-single exposure, Product can cause serious eye damage due to abrasion and alkalinity.
- i) STOT-repeated exposure, There are no known chronic effects from exposure to liquid pigments. If pigment slurr dries, wear a properly fitted respirator with a particulate filter and avoid making dust. If ingested, do NOT induce vomiting. Product can be aspirated if vomiting occurs.
- J) aspiration hazard,
- 11.1 Inhalation:** Product may irritate throat and respiratory system and cause coughing.
- 11.2 Skin contact:** Product may have an irritating effect on moist skin.
- 11.3 Eye contact:** Splashes from liquid pigment mixture can cause serious eye damage. Immediate first aid is required, followed by emergency medical attention.
- 11.4 Ingestion:** Ingestion may cause severe irritation of the mouth, esophagus and gastrointestinal tract.
- 11.5 Specific effects:** No other specific effects are known.



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**12 ECOLOGICAL INFORMATION**

12.1 Toxicity:	Aquatic Toxicity Fish			Aquatic Toxicity Invertebrates		
	LC <sub>50</sub> or *LC <sub>0</sub>	Species	Duration	EC <sub>50</sub> or *EC <sub>0</sub>	Species	Duration
Components of Mixture						
Iron Oxide Pigment Red	*50,000 mg/L	Danio Rerio	96 hr	>100 mg/L	Daphnia magna	48 hr
Iron Oxide Pigment Black	*>10,000 mg/L	Danio Rerio	96 hr	>10,000 mg/L	Daphnia magna	48 hr
Iron Oxide Pigment Yellow	*>10,000 mg/L	Danio Rerio	96 hr	>100 mg/L	Daphnia magna	48 hr
Titanium Dioxide, Pigment White	No Data Available	No Data Available	No Data Available	> 10,000 mg/L	Daphnia magna	48 hr

**Ecotoxicity:** This product is not expected to be hazardous to the environment.

**12.2 Persistence and degradability:**

Degradability: Product is not degradable.

**12.3 Bioaccumulative Potential:**

Bioaccumulative Potential: No information is available on bioaccumulative potential.

**12.4 Mobility in soil:**

Mobility: No information is available on mobility in soil.

Results of PBT and vPvB assessment: Mixture is inorganic and is not relevant for PBT or vPvB assessment.

Other adverse affects: No other adverse effects are known.

**13 DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods:**

GHS P501-Dispose of contents/container according to applicable local/state/regional/federal regulations.

**14 TRANSPORT INFORMATION**

**This product is not covered by international regulation of the transport of dangerous goods.**

DOT: Not regulated

**14.1 UN Number:** Not regulated

**14.2 UN proper shipping name:** Not classified as dangerous goods under DOT and UN regulations.

**14.3 Transport hazard class(es):** Not regulated

**14.4 Packing group:** Not regulated.

**Packaging group:** Not regulated

**14.5 Environmental hazards**

Marine pollutant: Not regulated.

Environmentally hazardous substance: Not applicable.

**14.6 Special precautions for user:** None are known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code: Not regulated.

## Safety Data Sheet & Warranty



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## 15 REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for substance or mixture.

OSHA HazCom 2012, 29 CFR 1910.1200 and regulation (EC) No. 1272/2008 CLP of the European Parliament

### 15.2 Chemical Safety Assessment: Not required.

For information on labeling refer to section 2.

IARC Lists Titanium Dioxide as a 2B carcinogen.

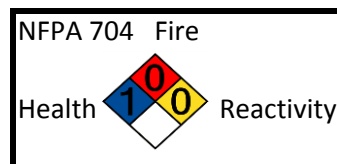
## 16 OTHER INFORMATION

**Before using, read Scofield Tech-Data Bulletin TD-8830 or TD-8815 for this product, the complete package label and this SDS and Warranty.**

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

### Wording of terms:

ACGIH	American Conference of Government Industrial Hygienists
CAS No.	Chemical Abstract Service
CLP	Classification, Labeling and Packaging, EC 1272/2008
EC <sub>0</sub>	Highest concentration that has no mortality of population
EINECS	European Inventory of Existing Commercial Chemical Substances (EU)
GHS	Global Harmonization System, worldwide chemical safety system
IARC	International Agency for Research on Cancer
HazCom	Hazard Communication, GHS US OSHA 29 CFR 1910.1200
LC <sub>0</sub>	Highest Concentration with no mortality of population
LC <sub>50</sub>	Lethal Concentration for population at 50% mortality
LD <sub>50</sub>	Lethal Dose for population at 50% mortality
MARPOL	International Convention for the Prevention of Pollution from Ships
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible Exposure Level
RE	Repeated Exposure
REACH	Registration, Evaluation, Authorization and Restrictions of Chemicals, EC/1907/2006
SDS	Safety Data Sheet (GHS replacement for MSDS)



NFPA: 0 = low hazard, 4 = high hazard

Hazardous Material Information	
Health Hazard	1
Flammability Hazard	0
Physical Hazard	0
Personal Protective Equipment	See sec. 8 PPE

0=minimal hazard. 4 = extreme hazard



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**Wording of terms:** (continued)

- SE Single Exposure
- STOT Specific Target Organ Toxicity
- TLV Threshold Limit Value
- TSCA Toxic Substances Control Act
- TWA Time Weighted Average
- US DOT United States Department of Transportation
- VOC Volatile Organic Compound
- vPvB Very Persistent and Very Bioaccumulative
- WHMIS Workplace Hazardous Materials Information System (Canada).

**California Prop 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.**

**WHMIS Signal Word: WARNING**  
  
**WHMIS Classification: D2A,D2B**

The details in this document are based on our current knowledge and experience and are only for this product and only in regard to safety requirements.

SDS issue date: June 25, 2015. Final Revised August 22, 2016, removed L50 Green (Cr<sub>2</sub>O<sub>3</sub>). Now Green has a separate SDS. Revised November 17, 2016, added SIKA COMPANY Trademark and format change.

**END OF SDS**

**LIMITED WARRANTY**

L. M. Scofield Company (Scofield) represents and warrants only that its products are of consistent quality and 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.