



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

LITHOCHROME® Antiquing Release - 1410

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: LITHOCHROME® Antiquing Release - 1410

1.2 Relevant identified uses of product

Product is a dry powder release agent with pigments and is used for application on freshly-placed concrete to facilitate stamp tool release during imprinting and to provide subtle coloration of new concrete.

This product is intended for use only by professionals.

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

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:

Human Health: Product contains respirable silica. Properly fitted dust type respirators can control respirable silica exposure.

Acute Toxicity, dermal, SE, H316, category 5

Acute Toxicity, inhalation, SE, STOT, lungs, H332, category 4

Carcinogenicity, Inhalation, RE, STOT, lungs, H350, category 2B

Environment: Product is not harmful to the environment.

GHS Category Key

1 = most hazardous

5 = least hazardous

2.2 Label elements:

GHS Hazard (H) Statements

Acute toxicity

H316--Causes mild skin irritation

H332--Harmful if inhaled

Chronic Toxicity

H350--Toxic by inhalation, RE, may cause cancer (silicosis)

H370--Causes damage to organs(lungs/respiratory system, by inhalation)

GHS Precaution (P) Statements:

Prevention precautionary statements

P102--Keep out of the reach of children

P202--Do not handle until all safety precautions have been read and understood

P280--Wear eye protection and face protection

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



GHS Pictograms

GHS Signal Word: **WARNING**



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Response precautionary statements

P301+P330+P331--**IF SWALLOWED:** Rinse mouth, do NOT induce vomiting.

P302+P352--**IF ON SKIN:** Wash with plenty of water

P304+P340--**IF INHALED:** Move person to fresh air and keep comfortable for breathing.

P305+P351+P338--**IF IN EYES:** Rinse cautiously with water for 15 minutes. Remove contacts if easy to do. Continue rinsing.

Disposal precautionary statements

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

2.3 Other hazards: No other hazards are known.

Refer to Section 16 for wording of terms.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Main Constituent:

Various metal oxide pigments

3.2 Mixture:

Components of Mixture, Formula	CAS #	EINECS #	Weight %	Hazardous Material Statement
Magnesium Silicate Hydrate, Talc	14807-96-6	238-877-9	40 - 60%	Contains <1% respirable silica, can cause silicosis
Calcium Stearate	1592-23-0	216-472-8	10 - 30%	May form combustible dust concentration in air.
Iron oxide pigment, black, Fe ₃ O ₄	1317-61-9	215-277-5	0 - 60%	classified as non-hazardous, no specific data
Iron oxide pigment, red, Fe ₂ O ₃	1309-37-1	215-168-2	0 - 60%	classified as non-hazardous, no specific data
Iron oxide pigment, yellow, FeO(OH)	51274-00-1	257-098-5	0 - 60%	classified as non-hazardous, no specific data
Titanium Dioxide, TiO ₂	13463-67-7	236-675-5	0 - 60%	Titanium dioxide is an IARC Class 2B carcinogen.
Chromium III Oxide, Cr ₂ O ₃	1308-38-9	215-160-9	0 - 60%	No known significant effects or critical hazards.

The exact percentages in this composition and the components have been withheld as 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, continue flushing during transport to emergency room and bring these instructions. Provide easy access to eye wash stations in work area.

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

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

Ingestion: If swallowed, call 911 or a Poison Center 1 (800) 222-1222 for instructions on first aid treatment.

4.2 Most important symptoms and effects both acute and delayed:

Eye contact with product can cause irritation. If irritation persists after rinsing eye(s), take person to emergency room.

Repeated inhalation of respirable silica over long periods of time increases the risk of developing lung disease.

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

Primary routes of entry include: Inhalation (dust), Eye Contact, Skin Contact. Eye contact requires immediate first aid.

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



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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 Hazard: Not flammable under normal conditions.

Explosion Hazard: May form combustible dust concentrations in air, avoid flames or combustion sources.

Reactivity: Hazardous reactions will not occur.

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

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions :

General measures: Use personal protective equipment. Provide adequate ventilation.

Protective equipment: Wear suitable eye protection and if ventilation is not adequate wear a particulate respirator.

6.2 Environmental precautions:

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

6.3 Methods and material containment and cleaning up:

Method of cleaning up: Avoid generating dust. Use a vacuum with a HEPA filtered exhaust or clean up with broom & shovel.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling:

Do not breathe dust. Avoid creating or spreading dust. Handle in accordance with good industrial hygiene procedures.

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:

Store product in a dry shaded area.

7.3 Specific end uses:

This product is intended for use only by professionals to release stamp tools and to add subtle colors to freshly-placed concrete.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control Parameters

Components of Mixture, Formula	Exposure Limits in Air		
	ACGIH TLV 8hr	OSHA PEL 8 hour PEL TWA	NIOSH REL (TWA)
Magnesium Silicate Hydrate, Talc	2 mg/m ³	50 µg/m ³ <1% respirable silica	2 mg/m ³ <1% quartz
Calcium Stearate	10 mg/m ³	5 mg/m ³ (respirable) 15 mg/m ³ (total)	not listed
Iron oxide pigment, black, Fe ₃ O ₄	not known	No exposure limit value is known	not known
Iron oxide pigment, red, Fe ₂ O ₃	not known	No exposure limit value is known	not known
Iron oxide pigment, yellow, FeO(OH)	not known	No exposure limit value is known	not known
Titanium Dioxide, TiO ₂	10 mg/m ³	5 mg/m ³ respirable dust, 15 mg/m ³ total	2.4 mg/m ³ (fine)
Chromium III Oxide, Cr ₂ O ₃	0.5 mg/m ³ as Cr	0.5 mg/m ³ as Cr	not listed



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8.2 Exposure controls: Engineering measures: Use only with adequate ventilation. Use local exhaust or other engineering controls to keep airborne exposure below regulatory limits.

8.3 Individual protective measures:

Eye protection: Wear tight fitting goggles/safety glasses with side-shields to protect eyes.

Skin protection: Wear rubber gloves and clothing to protect skin.

Respiratory Protection: If dust level exceeds the OSHA PEL or other limit, wear a proper particulate respirator, N95 or P100.

Hygiene measures: Wash hands after exposure, Remove contaminated clothing, shower and wash with plenty of soap and water. Wash contaminated clothing prior to reuse.

Environmental exposure controls: Ensure that eye wash stations and emergency showers are located near work area.



9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information of basic physical and chemical properties

Property-Test	Value/Result
a) pH	not applicable
b) Color	varies
c) Odor	no odor
d) Freezing/Melting Point	not applicable
e) Boiling Range	not applicable
f) Flash Point	>482 °F (250 °C)
g) Auto ignition Temperature	>860 °F (460 °C)
h) Upper and Lower Explosive Limits UEL, LEL	not applicable
i) Flammability (solid)	not applicable
j) Vapor Pressure	not applicable
k) Density	not applicable
l) Solubility in water	low water solubility
m) Evaporation Rate	not applicable
n) VOC	0.0 g/L (0.0 lb./gal)
o) Specific Gravity, water = 1.0	2.8 to 4.5

9.2 Other information: No other information is available

10 STABILITY AND REACTIVITY

10.1 Reactivity:	Black iron oxide can begin to decompose at 176 °F(80 °C) producing heat.
10.2 Chemical stability:	Product is stable under most common conditions
10.3 Possibility of hazardous reactions:	Hazardous reactions do not normally occur. Risk of dust explosion exists.
10.4 Conditions to avoid:	Avoid dust formation. No other conditions to avoid are known.
10.5 Incompatible materials:	Avoid strong oxidizers/acids. No other incompatible materials are known
10.6 Hazardous decomposition products:	No hazardous decomposition products are known.



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11 TOXICOLOGICAL INFORMATION

Chemical Name	LD ₅₀ rat oral	LC ₅₀ Inhalation or water test (fish)	LC ₅₀ Other Exposure Route
Magnesium Silicate Hydrate, Talc	no data avail.	>100 g/L static Danio rerio 96 hours	no data available
Calcium Stearate	10 g/kg	>1241 mg/m ³ mammal 4 hours	no data available
Iron oxide pigment, black, Fe ₃ O ₄	>5,000 mg/kg	Rat Male>185.6 mg/m ³ 2 weeks 6hr/day	no data available
Iron oxide pigment, red, Fe ₂ O ₃	>5,000 mg/kg	Rat Inhalation >210 mg/m ³ 2 weeks	Acute EC ₀ >10,000 mg/l fresh water Danio rerio
Iron oxide pigment, yellow, FeO(OH)	>10,000 mg/kg	Rat Inhalation >195 mg/m ³ 2weeks	Acute EC ₅₀ >100 mg/l fresh water Daphnia magna
Titanium Dioxide, TiO ₂	12,000 mg/kg	10,000 mg/kg rabbit dermal	>6.82 mg/L 4 hour rat inhalation
Chromium III Oxide, Cr ₂ O ₃	5,000 mg/kg	>5.41 mg/l 4 hour rat	10,000 mg/L Danio rerio 96 hours

- a) acute toxicity, Not classified as an acutely toxic material.
- b) skin corrosion/irritation, Some product mixtures can cause skin irritation.
- c) eye damage/irritation, Product 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: National Toxicity Program (NTP) status: Crystalline silica is a known human carcinogen. IARC lists Titanium Dioxide as a class 2B carcinogen. All other components of this product, present at 1% or more have not been 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 eye damage due to abrasion and irritation.
- i) STOT-repeated exposure, Product dust can cause silicosis (lung injury) after repeated exposure over long periods of time.
- j) aspiration hazard, Product is not an aspiration hazard.

11.1 Inhalation: Acute: Product dust can irritate throat and respiratory system and cause coughing.
 Chronic: Product contains <1% respirable silica. Repeated exposure without respiratory protection can cause cancer (silicosis).

11.2 Skin contact: Product may have an irritating effect on skin.

11.3 Eye contact: Product can cause serious eye damage. Immediate first aid is required for eye contact.

11.4 Ingestion: Product ingestion may cause irritation of the mouth, esophagus and gastrointestinal tract.

11.5 Specific effects: Frequent inhalation of dust over a long period of time increases the risk of developing lung disease.

12 ECOLOGICAL INFORMATION

Components of Mixture	LC ₅₀ or *LC ₀	Species	Duration
Magnesium Silicate Hydrate, Talc	>100 g/L static	B Danio rerio	96 hours
Calcium Stearate	>1241 mg/m ³	mammal	4 hours
Iron Oxide Pigments, black	LC ₀ >10,000mg/l	B Danio rerio	96 hours
Iron Oxide Pigments, red	LC ₀ >50,000 mg/l	Danio rerio	96 hours
Iron Oxide Pigments, yellow	LC ₀ >100,000 mg/l	Danio rerio	96 hours
Titanium Dioxide Pigment	>6.82 mg/L	rat	4 hrs.
Chromium III Oxide Pigment	>5.41 mg/L	rat inhalation	96 hr.



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12.1 Toxicity

Eco toxicity: This product is not expected to be hazardous to the environment.

12.2 Persistence and degradability:

Degradability: Calcium Stearate is readily biodegradable, all other ingredients are not biodegradable.

12.3 Bio accumulative Potential:

Bio accumulative Potential No information is available on bio accumulative potential.

12.4 Mobility in soil:

Mobility: No information is available on mobility in soil.

Results of PBT and vPvB assessment Mixture is mostly 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 local/state/regional/federal regulations.

14 TRANSPORT INFORMATION

This product is not covered by international regulation of the transport of dangerous goods (IMDG, IATA, ADR, RID)

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.

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.

There are no TSCA 12b chemicals in this product



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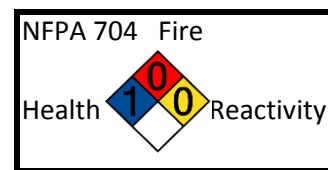
16 OTHER INFORMATION

Wording of terms:

- ACGIH American Conference of Government Industrial Hygienists
- CAS Chemical Abstract Service, unique identification code for chemicals
- CERCLA Comprehensive Environmental Response, Compensation & Liability Act
- CLP Classification, Labeling and Packaging, EC 1272/2008
- EC₀ Highest effective concentration that has no mortality of population
- EC₅₀ Effective Concentration that causes 50% mortality of population
- EINECS European Inventory of Existing Commercial Chemical Substances
- GHS Global Harmonization System, worldwide chemical safety program.
- IARC International Agency for Research on Cancer
- HazCom Hazard Communication, US OSHA GHS 29 CFR 1910.1200
- LC₀ Highest Concentration with no mortality of population
- LC₅₀ Lethal Concentration that causes 50% mortality of population
- LD₅₀ Lethal Dose for a chemical that causes 50% mortality of population
- MARPOL International Convention for the Prevention of Pollution from Ships
- NFPA National Fire Prevention Association
- NIOSH National Institute for Occupational Safety and Health
- OSHA Occupational Safety and Health Administration
- PBT Persistent, Bio accumulative and Toxic
- PEL Permissible Exposure Level
- RCRA Resource Conservation and Recovery Act
- RE Repeated Exposure
- REACH Registration, Evaluation, Authorization and Restrictions of Chemicals, EC/1907/2006
- REL Recommended Exposure Limit
- RQ Reportable Quantity
- SDS Safety Data Sheet (GHS replacement for MSDS)
- 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).

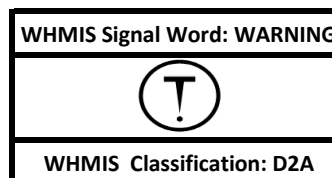
Hazardous Material Identification	
Health Hazard	1
Flammability Hazard	0
Physical Hazard	0
Personal Protective Equipment	See sec. 8 PPE

0=minimal hazard. 4 = extreme hazard



NFPA: 0=low hazard, 4=high hazard

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.





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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. Before using, read the Scofield Tech Data Bulletin TD-1410 for LITHOCHROME Antiquing Release, the complete package label and this SDS. Updated 11/17/2016.

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.