



Safety Data Sheet and Warranty

LITHOCHROME® Chemstain® Enhancer - 1350

July 14, 2015 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® Chemstain® Enhancer - 1350

Chemical Name: Sodium Carbonate Solution

1.2 Relevant identified uses of product: Product is used to pretreat low reactivity concrete prior to acid staining.

1.3 Details of the supplier of the safety data sheet:

L. M. SCOFIELD Company

SCOFIELD Phone Number (800) 800-9900

www.scofield.com

6533 Bandini Blvd, Los Angeles, CA 90040

Information Phone Number (323) 720-3000

4155 Scofield Road, Douglasville, GA 30134

Information Phone Number (770) 920-6000

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

2 HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture:

Human Health: GHS and CLP, irritant, eye contact can result in moderate to severe eye injury.

GHS Hazard (H) Statements

2.2 Label elements:

GHS Hazard (H) Statements

Physical Hazards

Acute Toxicity

H302--Harmful if swallowed, category 2

H316-- Causes skin mild irritation, SE, category 4

H319--Causes serious eye irritation, SE, category 2

Chronic Toxicity

No chronic effects are known.

GHS Precautionary Statements

Prevention Precautionary (P) Statements

P102--Keep out of the reach of children.

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

P264--Wash hands thoroughly after handling.

P280--Wear eye protection, safety glasses or tight-fitting goggles.

Response Precautionary (P) Statements

P301+P330+P331--IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P301+P310--IF SWALLOWED: Immediately call a POISON CENTER (800) 222-1222 or 911 for first aid advice.

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

P337+P314--If eye irritation persists, get medical advice/attention.

Disposal Statement

P501--Dispose of contents/container in accordance with local, state or federal hazardous material regulations.



GHS Pictogram

GHS Category Key

1 = Most Hazardous

2 = Least Hazardous

GHS Signal Word: **WARNING**

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: none

Refer to Section 16 for wording of terms.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Main Constituent: Water solution of Soda Ash

3.2 Mixture: Solution of alkaline salt in water.

Components of Mixture	CAS #	EINECS #	Weight %
Sodium Carbonate	497-19-8	207-838-8	5 to 20

The exact percentages in this composition have been withheld as a trade secret.

4 FIRST AID MEASURES

4.1 Description of first aid measures:

If swallowed: Do NOT induce vomiting, rinse mouth and drink plenty of water, immediately call a POISON CENTER (800) 222-1222 or 911 for advice on first aid.

Eye Contact : Immediately flush eyes with plenty of clean water for 15 minutes. Remove any contact lenses and open eyelids widely during flushing. If irritation persists, transport person to emergency room/hospital and bring this SDS. Provide easy access to eye wash stations close to work area.

4.2 Most important symptoms and effects both acute and delayed:

Hazards: Moderate to severe eye irritant.

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: Eye contact, splashing into eye(s), ingestion, skin contact.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media: Use dry chemical extinguishing media or CO₂ or foam to fight fire in surrounding area.

5.2 Special Hazards arising from the substance or mixture:

Fire hazard: None

Explosion hazard: None

Reactivity: Hazardous reactions will not occur under normal conditions.

Fire hazard: Nonflammable

Unusual fire hazards: None

5.3 Advice for firefighting:

Firefighting instructions: None

Firefighting protection: Use normal individual fire protective equipment.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions :

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

Protective equipment: Wear proper eye protection and chemical resistant gloves.

6.2 Environmental precautions: Product is not hazardous to the environment.

6.3 Methods and material containment and cleaning up:

Have spill containment materials available. Soak up liquid with absorbent materials and then shovel the absorbed material into a hazmat drum for disposal.

Method of cleaning up: Absorb with absorbent media or cover with dry earth, then transfer to a disposal drum.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling: Handle in accordance with good industrial hygiene procedures. Always wash hands immediately after handling this product. Do not eat, drink or smoke in areas where product is being used.

7.2 Conditions for safe storage including any incompatibilities: Store in a dry cool area. Keep containers closed and out of direct sunlight until used.

7.3 Specific end uses: Refer to SECTION 1.2 for use information.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components of Mixture	Inhalation DNEL Long Term	Inhalation DNEL Acute
Sodium Carbonate	10 mg/m ³	10 mg/m ³

8.2 Exposure controls:

Personal Protective Equipment Symbols:

Personal protection: Have eye wash stations located near work area.

Engineering measures: Use local exhaust and room ventilation.

Respiratory equipment: When working in confined areas, use an approved respirator that is equipped with the proper particulate filters, such as N95 or P100.

Hand protection: Wear chemical resistant gloves, such as neoprene.

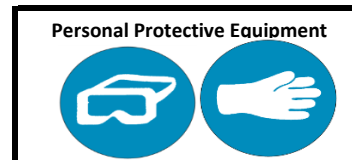
Eye protection: Wear a face shield or safety glasses with side shields or tight fitting goggles.

Skin protection: Wear protective clothing, such as a rubber apron or rubber coat.

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: Observe all applicable regulations limiting discharge to air, water, or soil. If a spill occurs, apply absorbent materials to absorb liquid. Handle

absorbed material according to applicable local/state or federal Hazmat waste requirements.



9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information of basic physical and chemical properties

	Property/Parameter	Result/Value
a)	Appearance	colorless liquid
b)	pH	9.0 - 10.0
c)	Color	clear
d)	Odor	very slight odor
e)	Freezing/Melting Point	32°F (0 °C)
f)	Boiling Range	212 °F (100 °C)
g)	Flash Point	Will not flash
h)	Auto ignition Temperature	Will not autoignite
i)	Explosive Limits UEL	None
j)	Explosive Limits LEL	None
k)	Flammability (solid, gas)	not applicable
l)	Vapor Pressure	similar to water
m)	Vapor density vs air = 1.0	Data not available
n)	Relative Density, water = 1.0	1.0 - 1.2
o)	Solubility in water	miscible
p)	KOW Partition Coefficient	no data available
q)	Evaporation Rate	similar to water
r)	Viscosity	similar to water

s) VOC

0.0 g/L (0.0 lb/gal)

9.2 Other information

Other data: Not relevant

10 STABILITY AND REACTIVITY

10.1 Reactivity: Avoid contact with acids.

10.2 Chemical stability: Stable under normal temperatures and conditions.

10.3 Possibility of hazardous reactions: There are no known hazardous reactions.

10.4 Conditions to avoid: Contact with acids.

10.5 Incompatible materials: Avoid contact with strong acids.

10.6 Hazardous decomposition products: Product is not combustible.

11 TOXICOLOGICAL INFORMATION

	LD ₅₀ Oral rat	LD ₅₀ Dermal rabbit	LC ₅₀ Inhalation rat
Sodium Carbonate	2800 mg/kg	>2000 mg/kg	2.30 mg/L

11.1 Inhalation: Inhalation may cause respiratory tract irritation.

11.2 Skin contact: Skin contact may cause moderate irritation.

11.3 Eye contact: Eye Contact may cause damage. Immediate first aid is required.

11.4 Ingestion: Immediately call a POISON CENTER 1 (800) 222-1222 or 911 for first aid advice.

11.5 Specific effects: Not considered to be carcinogenic, mutagenic, or to contribute to reproductive/developmental toxicity. The components of this product are not considered to be possible or potential carcinogens by ACGIH, IARC, NTP or OSHA.

12 ECOLOGICAL INFORMATION

Ecotoxicity	Aquatic Toxicity Fish			Aquatic Toxicity Invertebrates		
	LC ₅₀	Species	Duration	EC ₅₀	Species	Duration
Sodium Carbonate	300 mg/L	Lepomis Mac	96 hr	200-227 mg/L	Ceriodaphnia	48 hr(semi-static)

12.1 Toxicity:

This product is not toxic.

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

12.2 Persistence and degradability:

Biodegradability: Rapidly biodegradable.

12.3 Bioaccumulative potential: Not bioaccumulative

12.4 Mobility in soil:

Mobility: No information is available

Results, PBT assessment: Mixture is not considered to be persistent and is not toxic.

vPvB: Mixture is not expected to be very persistent and it is not very bioaccumulating, refer to sec. 12.2.

Other adverse affects: No other information is available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods: Dispose of waste and residues in accordance with local authority requirements.

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

14 TRANSPORT INFORMATION

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

US DOT: Not classified as dangerous goods under transport regulations.

14.1 UN Number: Not regulated

14.2 UN proper shipping name: Not regulated

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 known.

15 REGULATORY INFORMATION

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

This product is not considered to be hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200, and (EC) Regulation No. 1272/2008 (CLP) of the European Parliament.

SARA Title III Section 302, This product does not contain any materials subject to minimum reporting requirements.

SARA Title III Section 311/312: Not listed

SARA Title III Section 313, this product does not contain any chemicals with known CAS numbers that exceed the threshold reporting levels.

15.2 Chemical Safety Assessment: Not required

For information on labeling refer to section 2

There are no TSCA 12b chemicals in this product

16 OTHER INFORMATION

Before using, read Scofield's Tech-Data Bulletin A-454 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:

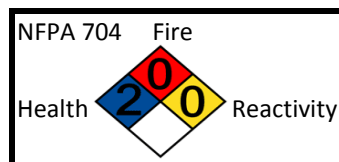
ACGIH	American Conference of Government Industrial Hygienists
CAS Number	Chemical Abstract Service, unique chemical identification
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
DNEL	Derived No Effect Level
EC ₅₀	Effective Concentration that causes 50% mortality in population
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Global Harmonization System, worldwide chemical safety program
LC ₅₀	Lethal Concentration that causes 50% mortality in population
LD ₅₀	Lethal Dose that causes 50% mortality in population
NFPA	National Fire Protection Association
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Act
PEL	Permissible Exposure Level
RCRA	Resource Conservation and Recovery Act
RE	Repeated Exposure
RQ	Reportable Quantity
SARA III	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet (GHS replacement for MSDS)

Hazardous Material Identification	
Health Hazard	2
Fire Hazard	0
Reactivity Hazard	0
Personal Protection	See sec 8

0 = minimal hazard, 4 = extreme hazard

WHMIS Category: None
WHMIS Signal Word: NONE

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.



SE	Single Exposure
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
PBT	Bioaccumulative, Persistent and Toxic
vPvB	Very Persistent and Very Bioaccumulative
WHMIS	Workplace Hazardous Materials Information System (Canada)

0=least severe, 4=most severe

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: July 14, 2015

END OF SDS

LIMITED WARRANTY

Since no control is exercised over product use, L. M. Scofield Company (Scofield) represents and warrants only that its products are of consistent quality 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.