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
6533 Bandini Blvd, Los Angeles, CA 90040
4155 Scofield Road, Douglasville, GA 30134

SCOFIELD Phone Number (800) 800-9900
Information Phone Number (323) 720-3000
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.
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.

<table>
<thead>
<tr>
<th>Components of Mixture</th>
<th>CAS #</th>
<th>EINECS #</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Carbonate</td>
<td>497-19-8</td>
<td>207-838-8</td>
<td>5 to 20</td>
</tr>
</tbody>
</table>

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.

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**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

<table>
<thead>
<tr>
<th>Components of Mixture</th>
<th>Inhalation DNEL Long Term</th>
<th>Inhalation DNEL Acute</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Carbonate</td>
<td>10 mg/m³</td>
<td>10 mg/m³</td>
</tr>
</tbody>
</table>

**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.

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**9 PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information of basic physical and chemical properties**

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

<table>
<thead>
<tr>
<th>Sodium Carbonate</th>
<th>LD_{50} Oral rat</th>
<th>LD_{50} Dermal rabbit</th>
<th>LC_{50} Inhalation rat</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2800 mg/kg</td>
<td>&gt;2000 mg/kg</td>
<td>2.30 mg/L</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Components</th>
<th>Aquatic Toxicity Fish</th>
<th>Aquatic Toxicity Invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Carbonate</td>
<td>LC_{50}</td>
<td>Species Duration</td>
</tr>
<tr>
<td></td>
<td>300 mg/L</td>
<td>Lepomis Mac 96 hr</td>
</tr>
<tr>
<td></td>
<td>EC_{50}</td>
<td>Ceriodaphnia 48 hr (semi-static)</td>
</tr>
</tbody>
</table>

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:

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

<table>
<thead>
<tr>
<th>Hazardous Material Identification</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazard</td>
<td>2</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>See sec 8</td>
</tr>
</tbody>
</table>

0 = minimal hazard, 4 = extreme hazard

OEL

EC_{50}

EINECS

GHS

LC_{50}

LD_{50}

NFPA

NTP

OEL

OSHA

PEL

RCRA

RE

RQ

SARA III

SDS

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.

<table>
<thead>
<tr>
<th>NFPA 704</th>
<th>Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>20</td>
</tr>
<tr>
<td>Reactivity</td>
<td>20</td>
</tr>
</tbody>
</table>

Page 5 of 6
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.