



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

## SCOFIELD Formula One Guard-W - 1880

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: SCOFIELD® Formula One™ Guard-W - 1880

**Chemical Name:** Water-based mixture of lithium silicate, acrylic polymer, silicones, waxes and proprietary additives.

**1.2 Relevant identified uses of product:** SCOFIELD® Formula One Guard-W is formulated for use on polished concrete floors to protect from staining and to improve the gloss level of the floor. It can be used with high-speed burnishers to provide a high-gloss floor or it can be used on a regular maintenance schedule to keep floors looking like new.

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

L. M. SCOFIELD Company, A SIKA 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 8AM-5PM M-F

Information Phone Number (770) 920-6000 8AM-5PM M-F

[www.scofield.com](http://www.scofield.com)

#### 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 with product can result in moderate eye injury. Skin contact with product can cause irritation. Inhalation of mists can cause respiratory irritation. No chronic effects are known.

#### 2.2 Label elements:

##### GHS Hazard (H) Statements

Acute toxicity, ingestion, SE, H303, category 5

Acute toxicity, skin contact, SE, H313, category 4

Acute toxicity, eye contact, SE, H319, category 2A

Acute toxicity, mist inhalation, SE, H332, category 4

Suspected of causing damage to the fertility of an unborn child, RE, H361, Categories 1A, 2A

May cause Central Nervous System (CNS) damage after repeated or prolonged exposure, RE, STOT, H373, category 2

##### Acute Toxicity

H303--May be harmful if swallowed

H313--May be harmful in contact with skin

H319--Causes serious eye irritation

H332--Harmful if inhaled

##### Chronic Toxicity

H361--Possible developmental hazard, may adversely affect fertility of an unborn child.

H373--May cause Central Nervous System (CNS) damage after prolonged or repeated exposure.



##### GHS Category Key

1 = Most Hazardous

5 = Least Hazardous

**Signal Word: WARNING!**



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### 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.

P260--Do not breathe mist or vapor

P264--Wash skin thoroughly after handling

P280--Wear protective gloves/protective clothing/eye protection/respiratory protection, see section 8

#### Response Precautionary (P) Statements

P312--**IF YOU FEEL UNWELL:** Call 911 or a POISON CENTER 1 (800) 222-1222 for first aid instructions.

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 several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337+P313-- If eye irritation persists: Get medical advice/attention.

#### Disposal Statement

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

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS:** Product has unknown toxicity for oral, dermal and inhalation routes of exposure.

For full text wording of terms refer to Section 16.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Main Constituent:** Acrylic polymer dispersion

**3.2 Mixture:** Mixture of lithium silicate and polymer dispersion, with waxes and functional additives.

| Components of Mixture                       | CAS #      | EINECS #  | Weight % |
|---|------------|-----------|----------|
| Lithium Silicate Solution                   | 12627-14-4 | 235-730-0 | 5-10%    |
| Proprietary Fluorochemical Surfactant       | NDA        | NDA       | <0.2%    |
| Octyltriethoxysilane (Triethoxyoctylsilane) | 2943-75-1  | 220-941-2 | 1-3%     |
| Dipropylene Glycol n-Butyl Ether (DPnB)     | 29911-28-2 | 249-951-5 | 1-3%     |

The exact percentages in this composition and some components have been withheld as trade secrets.

## 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 911 or a POISON CENTER (800) 222-1222 for first aid instructions.

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

### 4.2 Most important symptoms and effects both acute and delayed:

Hazards: Acute, moderate eye irritant. Chronic, developmental affecting fertility of an unborn child and CNS damage after prolonged or repeated exposure.



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### 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 FIRE-FIGHTING MEASURES

**5.1 Extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Fire hazard: Minimal

Explosion hazard: None

Reactivity: Hazardous reactions will not occur under normal conditions.

Fire hazard: Product is effectively nonflammable.

Unusual fire hazards: May produce harmful vapors or fumes in fire, carbon monoxide.

### 5.3 Advice for firefighting:

Firefighting instructions: Fight fire from a distance.

Firefighting protection: Wear turnout gear to fight fire.

## 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions :

General measures: Use personal protective equipment, refer to section 8 for additional PPE information.

Protective equipment: Use proper safety equipment when handling spills.

**6.2 Environmental precautions:** Product should not be released into water drains, sewers, or soil areas. Notify local authorities if spill enters water.

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

Have spill containment materials available. Soak up liquid with absorbent materials, such as clay, sawdust, or other similar absorbent material and then shovel the absorbed material into a marked drum for disposal.

## 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 between 40-120 °F (4-49 °C). Keep containers closed and out of direct sunlight until used. Store away from strong acids, strong bases or strong oxidizers.

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



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### 8 EXPOSURE CONTROL/PERSONAL PROTECTION

#### 8.1 Control parameters

| Components of Mixture                          | OSHA TWA 8 hr.  | ACGIH TLV | NIOSH                    |
|--|-----------------|-----------|--------------------------|
| Lithium Silicate Solution                      | Not established | NDA       | 1 mg/m <sup>3</sup> LiOH |
| Proprietary Fluorochemical Oil/Water Repellent | NDA             | NDA       | NDA                      |
| Octyltriethoxysilane (Triethoxyoctylsilane)    | 10 ppm OEL      | NDA       | NDA                      |
| Dipropylene Glycol n-Butyl Ether (DPnB)        | NDA             | NDA       | NDA                      |

#### 8.2 Exposure controls:

Personal Protective Equipment Symbols:

Personal protection: Wear proper safety equipment when using product.

Engineering measures: Use local exhaust and room ventilation.

Provide easy access to eye wash stations located close to work area.

Respiratory equipment: When working in confined areas, use an approved respirator that has organic vapors cartridges and mist/particulate filters or use an air supplied respirator if product is being sprayed. Do not atomize.

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

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

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

Hygiene measures: Wash hands after exposure, Remove contaminated clothing, shower then 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. Use a shovel to handle absorbed material and place in a properly marked waste container. Handle absorbed material according to applicable local/state/federal waste requirements.



### 9 PHYSICAL AND CHEMICAL PROPERTIES

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

| Property/Parameter           | Result/Value                       |
|------------------------------|------------------------------------|
| a) Appearance                | White Liquid                       |
| b) pH                        | 8.5 to 9.5                         |
| c) Color                     | Milky white                        |
| d) Odor                      | Slight odor, mild                  |
| e) Freezing/Melting Point    | 32°F (0 °C)                        |
| f) Boiling Range             | 212 °F (100 °C) water-based system |
| g) Flash Point               | >212 °F, (> 100 °C)                |
| h) Auto Ignition Temperature | No Data Available                  |
| i) Explosive Limits UEL, LEL | No Data Available                  |



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| Property/Parameter (continued)   | Result/Value (continued)         |
|----------------------------------|----------------------------------|
| j) Decomposition Temperature     | No Data Available                |
| k) Flammability                  | Effectively nonflammable         |
| l) Vapor Pressure                | Similar to water                 |
| m) Relative Density, water = 1.0 | 1.02 - 1.05                      |
| n) Solubility in water           | Partially Soluble                |
| o) Evaporation Rate              | Similar to water                 |
| p) Viscosity                     | Slightly more viscous than water |
| q) VOC                           | <100 g/L (<0.83lb/gal)           |

### 9.2 Other information

Other data: No other information is available.

## 10 STABILITY AND REACTIVITY

**10.1 Reactivity:** No data is available on reactivity.

**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:** Avoid contact with oxidizers, strong bases or strong acids.

**10.5 Incompatible materials:** Avoid contact with oxidizers.

**10.6 Hazardous decomposition products:** No Data Available.

## 11 TOXICOLOGICAL INFORMATION

| Name of chemical                               | LD <sub>50</sub> Oral rat | LD <sub>50</sub> Dermal rabbit | LC <sub>0</sub> Inhalation, rat |
|--|---------------------------|--------------------------------|---------------------------------|
| Lithium Silicate Solution                      | >2500 mg/kg               | >5000 mg/kg dermal rat         | 2.06 mg/L, inhalation, rat      |
| Proprietary Fluorochemical Oil/Water Repellent | NDA                       | No Data Available (NDA)        | No Data Available (NDA)         |
| Octyltriethoxysilane (Triethoxyoctylsilane)    | >5110 mg/kg               | 6730 mg/kg rat                 | 1.6 mg/kg rat                   |
| Dipropylene Glycol n-Butyl Ether DPnB          | 3700 mg/kg                | >2000 mg/kg, rat,              | 2.04 mg/L, 4 hr, saturated      |

**11.1 Inhalation:** No Data Available

**11.2 Skin contact:** Skin contact can cause moderate irritation.

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

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

**11.5 Specific effects:** No specific effects are known

This product does not contain any ingredients at 0.1% or greater that are designated by IARC, NTP, ACGIH, or OSHA as probable or suspected human carcinogens.



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**SCOFIELD Formula One Guard-W - 1880****12 ECOLOGICAL INFORMATION**

| <b>12.1 Toxicity:</b>                 | Aquatic Toxicity Fish |                              | Aquatic Toxicity Invertebrates       |               |               |
|---------------------------------------|-----------------------|------------------------------|--------------------------------------|---------------|---------------|
| Components of Mixture                 | LC <sub>50</sub>      | Species and duration of test | EC <sub>50</sub> or *EC <sub>0</sub> | Species       | Exposure time |
| Lithium Silicate Solution             | >100 mg/L             | trout, 96 hours              | *800 mg/L                            | Daphnia magna | 48 Hours      |
| Fluorochemical Oil/Water Repellent    | NDA                   | NDA                          | NDA                                  | NDA           | NDA           |
| Octyltriethoxysilane                  | 1-10 mg/L             | Danio Rerio, 96 hours        | >0.049 ,g/L                          | Daphnia magna | 48 hours      |
| Dipropylene Glycol n-Butyl Ether DPnB | 841 mg/L              | Poecilia Reticulata          | 370 mg/L                             | Daphnia magna | 48 hours      |

**12.4 Mobility in soil:** No Data Available

Results, PBT assessment: PBT/vPvB testing is not available as chemical safety assessment is not required.

Other adverse affects: No other adverse effects are known

**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 according to local/state/regional/federal waste regulations.

**14 TRANSPORT INFORMATION**

This product is covered by international regulation of the transport of dangerous goods (IMDG, IATA).

US DOT: Not considered to be dangerous goods under transport regulations.

**14.1 UN Number:** Not classified as hazardous goods under transport regulations.**IMDG Sea Transport and IATA Air Transport:** Not classified as hazardous goods under transport regulations.**14.2 UN proper shipping name:** Not classified as hazardous goods under transport regulations.**14.3 Transport hazard class:** Not applicable**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 does not contains chemicals that are listed by the following Right to Know states; New Jersey and Pennsylvania.

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

SARA Title III Section 311/312: Does not contain a component that is listed as acute health hazard.

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



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### 15.2 Chemical Safety Assessment:

This product is not considered to be hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

For information on labeling go to section 2

There are no TSCA 12b chemicals in this product

## 16: OTHER INFORMATION

**Before using, read Scofield's Tech-Data Bulletin TD-4630 and 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 number for each chemical           |
| CERCLA           | Comprehensive Environmental Response, Compensation and Liability Act |
| EINECS           | European Inventory of Existing Commercial Chemical Substances        |
| GHS              | Global Harmonization System, worldwide chemical safety program       |
| LC <sub>50</sub> | Lethal Concentration that has 50% mortality of population            |
| LD <sub>50</sub> | Lethal Dose that has 50% mortality of population                     |
| NFPA             | National Fire Prevention 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                         |
| 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)            |

|                                       |            |
|---------------------------------------|------------|
| NFPA 704 Fire                         |            |
| Health                                | Reactivity |
|                                       |            |
| NFPA: 0 = low hazard, 4 = high hazard |            |

| Hazardous Material Information |               |
|--------------------------------|---------------|
| Health Hazard                  | 1             |
| Fire Hazard                    | 1             |
| Reactivity Hazard              | 0             |
| Personal Protection            | see section 8 |

0 = minimal hazard, 4 = extreme 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.**

WHMIS Category: None  
WHMIS Signal Word: None

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, completely read Scofield's Tech-Data TD-4630 and the complete package label and this SDS.

SDS issue date: July 21, 2015. Revised October 18, 2016 to add SIKA TM and change format. Revised 02.17.17

**END OF SDS**



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## **SCOFIELD Formula One Guard-W - 1880**

### 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.