



July 17, 2015 According to GHS OSHA 29 CFR 1910.1200 and 1272/2008/EC (CLP) amending 1907/2006/EC (REACH)

Safety Data Sheet and Warranty

SCOFIELD® Formula One Guard-W - 1880

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® 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 burnishing equipment to provide a high-gloss floor or it can be used on a regular maintenance schedule to keep the floor looking like new.

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 with product can result in moderate eye injury. Skin contact with product can cause irritation and inhalation of mists can cause respiratory irritation.

2.2 Label elements:

GHS Hazard (H) Statements

GHS Category Key
1 = Most Hazardous
5 = Least Hazardous

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



Signal Word: WARNING!

Suspected of causing damage to the fertility of an unborn child, RE, H361, Categories 1A, 2A
 May cause Central Nervous System 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--May cause respiratory irritation

Chronic Toxicity

H361--Possible developmental hazard, may adversely affect fertility of an unborn child.
 H373--May cause Central Nervous System damage after prolonged or repeated exposure.

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.

Response Precautionary (P) Statements

P312--Call a POISON CENTER 1 (800) 222-1222 or 911, if you feel unwell.

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, d 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 regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: Product has unknown toxicity for oral, and derma

Inhalation routes of exposure: Fluorochemical formulations must not be atomized. If sprayed, use a low pressure pump up sprayer or wear suitable tight-fitting respirator with organic vapors cartridges and particulate/mist filters.

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.

Hazardous Components of Mixture	CAS #	EINECS #	Weight %
Lithium Silicate Solution	12627-14-4	235-730-0	5-10%
Proprietary Fluorochemical Oil/Water Repellent	NDA	NDA	1-5%
Octyltriethoxysilane (Triethoxyoctylsilane)	2943-75-1	220-941-2	<1%
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 a POISON CENTER (800) 222-1222 or 911 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, serious eye irritant and possible Central Nervous System damage.

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 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 self contained breathing apparatus (SCBA) and 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 45-110 °F (7-43 °C). Keep containers closed and out of direct sunlight until used. Store away from strong acids or strong bases or strong oxidizers.

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	OSHA TWA 8hr	ACGIH TLV	NIOSH	Personal Protective Equipment  Respirator selection: organic vapor/mist filter
Lithium Silicate Solution	Not Established	NDA	1 mg/m ³ 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:

NDA = No Data Available

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 is equipped with proper organic vapors cartridges and mist/particulate filters or use an air-supplied respirator if product is applied by spraying.

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 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/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
j)	Decomposition Temperature	No Data Available
k)	Flammability	Effectively nonflammable
l)	Vapor Pressure	Similar to water
m)	Vapor density vs air = 1.0	No Data Available
n)	Relative Density, water = 1.0	1.02 - 1.05
o)	Solubility in water	Partially Soluble
p)	KOW Partition Coefficient	No Data Available
q)	Evaporation Rate	Similar to water
r)	Viscosity	Slightly more viscous than water
s)	VOC	<100 g/L (<0.83lb/gal)

9.2 Other information

Other data: Not relevant

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: Contact with oxidizers.

10.5 Incompatible materials: Avoid contact with oxidizers.

10.6 Hazardous decomposition products: No Data Available.

11 TOXICOLOGICAL INFORMATION

Name of chemical	LD ₅₀ Oral rat	LD ₅₀ Dermal, rabbit	LC ₅₀ Inhalation, rat
Lithium Silicate Solution	>2000 mg/kg	No Data Available	No Data Available
Proprietary Fluorochemical Oil/Water Repellent	No Data Available	No Data Available	No Data Available
Octamethylcyclotetrasiloxane	>5110 mg/kg	6,730 mg/kg rat	1.6 mg/L
Dipropylene Glycol n-Butyl Ether (DPnB)	1475-4400 mg/kg	5157 mg/kg	2040 mg/kg rat

11.1 Inhalation: Fluorochemical formulations must not be atomized. A low-pressure pump-up sprayer must be used

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 a POISON CENTER 1 (800) 222-1222 or 911 for first aid instructions. Lithium compounds may damage the central nervous system.

11.5 Specific effects: No special effects are known.

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

12 ECOLOGICAL INFORMATION

12.1 Toxicity:

Components of Mixture	Aquatic Toxicity Fish			Aquatic Toxicity Invertebrates		
	LC ₅₀	Species	Exposure time	LC ₅₀ or *EC ₀	Species	Exposure time
Lithium Silicate Solution	>100 mg/L	Trout	96 hr	*800 mg/L	Daphnia magna	48 hr
Proprietary Fluorochemical Oil/Water Repellent*	NDA	NDA	NDA	NDA	NDA	NDA
Octyltriethoxysilane (Triethoxyoctylsilane)	1-10 mg/L	Danio rerio	96 hr	>0.049 mg/L	Daphnia magna	48 hr
Dipropylene Glycol n-Butyl Ether (DPnB)	841 mg/L	Poecilia reticul.	96 hr	>1000 mg/L	Daphnia magna	48 hr

13 DISPOSAL CONSIDERATIONS

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 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: This product does not contain any components that are listed as acute health hazards.

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:

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-1623 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.

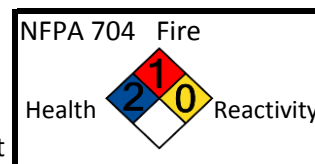
Wording of terms:

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



0=lowest hazard, 4=highest hazard

GHS	Global Harmonization System, worldwide chemical safety program
LC ₅₀	Lethal Concentration that has 50% mortality of population
LD ₅₀	Lethal Dose that has 50% mortality of population
NOEL	No occupational exposure limit established.
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
SDS	Safety Data Sheet (GHS replacement for MSDS)
SVHC	Substance of Very High Concern
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)

Hazardous Material Information	
Health Hazard	2
Fire Hazard	1
Reactivity Hazard	0
Personal Protection	see section 8

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.

SDS issue date: July 17, 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.