



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

SCOFIELD® REPELLO® - 3630

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®REPELLO® - 3630**

Chemical Name: Water-based dispersion of polysiloxane, and fluoropolymer oil/water repellent

1.2 Relevant identified uses of product: Product is an invisible, low-VOC, nonhazardous, penetrating treatment used protect porous horizontal or vertical colored concrete or uncolored concrete and to improve concrete durability.

1.3 Details of the supplier of the safety data sheet:

www.scofield.com

L. M. SCOFIELD Company, A SIKA COMPANY

SCOFIELD Phone Number (800) 800-9900

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. Inhalation of spray or mist can cause serious respiratory irritation. Do not use application equipment that tends to form aerosols.

2.2 Label elements:

GHS Hazard (H) Statements

Eye irritant, SE, H319, category, 2A

Respiratory tract irritant, SE, H331, STOT, lungs, category 3

Chronic toxicity, inhalation, H332, STOT, lungs, respiratory tract, RE, category 3

Acute Toxicity

H319--Cause serious eye irritation

H331--Toxic if inhaled

Chronic Toxicity

H332--Harmful if inhaled, 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.

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

GHS Category Key
1 = Most Hazardous
5 = Least Hazardous



Signal Word: **WARNING**



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SCOFIELD® REPELLO® - 3630**Response Precautionary (P) Statements**

P301+P310--**IF SWALLOWED:** Immediately call 911 or a POISON CENTER 1 (800) 222-1222 for first aid advice.

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, 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 waste material regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: Fluorochemical formulations must not be atomized unless proper PPE (see section 8) is worn during spraying. If sprayed, use a low pressure pump-up sprayer and wear a suitable tight fitting respirator with organic vapor canisters & particulate-mist filters or self contained breathing apparatus (SCBA) or air supplied respirator. For full text of wording of terms refer to Section 16.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Main Constituent: Polysiloxane - Fluoropolymer Resin Emulsion

3.2 Mixture: Mixture of Fluorochemical O/W Repellent and Silicone Resin dispersed in water.

Components of Mixture	CAS #	EINECS #	Weight %
Proprietary Fluorochemical Oil/Water Repellent	NDA	NDA	20-50%
Octyltriethoxysilane (triethoxyoctylsilane)	2943-75-1	220-941-2	<5%
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 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: Acute, moderate eye irritant. Inhalation of vapors may cause delayed effects.

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

5 FIRE-FIGHTING MEASURES

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



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5.2 Special Hazards arising from the substance or mixture:

Fire hazard: Low
 Explosion hazard: Low
 Reactivity: Hazardous reactions will not occur under normal conditions.
 Fire hazard: Effectively nonflammable
 Unusual fire hazards: None

5.3 Advice for fire-fighting:

Fire-fighting instructions: Fight fire from a distance.
 Fire-fighting protection: Use normal individual fire protective equipment and self-contained breathing apparatus (SCBA)

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.

6.2 Environmental precautions: Product is hazardous to the environment, see Section 2, Chronic toxicity.

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 properly marked waste 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 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 CONTROL/PERSONAL PROTECTION

8.1 Control parameters

NDA = No Data Available

Components of Mixture	OSHA TWA 8hr	ACGIH TWA	NIOSH REL
Fluorochemical Oil/Water Repellent	NDA	NDA	NDA
Octyltriethoxysilane (Triethoxyoctylsilane)	NDA	NDA	NDA
Dipropylene Glycol n-Butyl Ether (DPnB)	NDA	not listed	NDA

Personal Protective Equipment Symbols:

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

Personal Protective Equipment

Respirator Selection: organic vapor + mist filter



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8.1 Control parameters: (continued)

Engineering measures: Use local exhaust and room ventilation.

Respiratory equipment: When working in confined areas, use an approved respirator, see section 8. that is equipped with the proper organic vapors cartridges and mist/particulate filters.

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

Eye protection: Wear a face shield or safety glasses 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 in accordance to local/state or federal Hazmat regulations.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information of basic physical and chemical properties

	Property/Parameter	Result/Value
a)	Appearance	Liquid
b)	pH	7.0 - 8.0
c)	Color	milky white
d)	Odor	very slight odor
e)	Freezing/Melting Point	32°F (0 °C)
f)	Boiling Range	212 °F (100 °C)
g)	Flash Point	>212 °F (>100 °C) CC
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	No Data Available
n)	Relative Density, water = 1.0	1.0 - 1.2
o)	Solubility in water	Partially Soluble
p)	KOW Partition Coefficient	No Data Available
q)	Evaporation Rate	Similar to water
r)	Viscosity	Similar to water
s)	VOC	<100 g/L (0.83lb/gal)

9.2 Other information

Other data: No other data is available.



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10 STABILITY AND REACTIVITY

- 10.1 Reactivity:** Avoid contact with strong acids and all oxidizers.
- 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 strong acids and oxidizers.
- 10.5 Incompatible materials:** Avoid contact with strong acids and oxidizers.
- 10.6 Hazardous decomposition products:** Product is not combustible.

11 TOXICOLOGICAL INFORMATION

Acute oral toxicity, estimated: >5,000 mg/kg, calculation method, ATE
 Acute inhalation toxicity, estimated: >40 mg/L, 4 hr, vapor, calculation method, ATE
 Acute dermal toxicity, estimated: >5,000 mg/kg, calculation method, ATE

Component of Mixture	LD ₅₀ Oral rat	LD ₅₀ dermal rabbit	LC ₅₀ Inhalation Rat
Fluorochemical Oil/Water Repellent	No Data Available	No Data Available	No Data Available
Octyltriethoxysilane (Triethoxyoctylsilane)	5,110 mg/kg	6,730 mg/kg no toxicity	No Data Available
Dipropylene Glycol n-Butyl Ether (DPnB)	4,000 mg/kg	>2,000 mg/kg (rat)	No Data Available

- 11.1 Principle routes of entry:** Ingestion: Harmful if swallowed. May cause serious irritation of the upper digestive tract
 Inhalation: Chemical pneumonia can occur if aspirated into lungs. Avoid aspiration of product into respiratory tract.
 Ingestion: Do NOT induce vomiting.
- 11.2 Skin contact:** Skin contact can cause moderate irritation.
- 11.3 Eye contact:** Eye Contact will 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.
- 11.5 Specific effects:** No specific effects are known.

12 ECOLOGICAL INFORMATION

12.1 Toxicity:

Components of Mixture	LC ₅₀	Species	Interval	EC ₅₀	Species	Interval
Proprietary Fluorochemical Oil/Water Repellent	NDA	X	X	NDA	X	X
Octyltriethoxysilane (Triethoxyoctylsilane)	NDA	X	X	>0.049 mg/L	Daphnia magna	48 hr
Dipropylene Glycol n-Butyl Ether (DPnB)	841 mg/L	other fish	96 hr	1,000 mg/L	Daphnia magna	48 hr

- 12.2 Ecotoxicity:** This product is not expected to be hazardous to the environment.
- 12.3 Persistence and degradability:** This product is not biodegradable.
- 12.4 Bioaccumulative Potential:** No information is available on bioaccumulative potential.
- 12.5 Mobility in soil:** No information is available on mobility in soil.
- Results of PBT or vPvB assessment: No information is available on PBT or vPvB assessment.



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13 DISPOSAL CONSIDERATIONS

Disposal Statement

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

14 TRANSPORT INFORMATION

This product is not covered by international regulation of the transport of dangerous goods (IMDG, IATA, ADR, RID)
US DOT: Not considered to be dangerous goods under transport regulations.

14.1 UN Number: Not considered to be 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, Pennsylvania, and Massachusetts CAS No. 2943-75-1 Triethoxyoctyl silane, CAS No. 29911-28-2 Glycol Ether DPnB

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

SARA Title III Section 311/312: This product does not contain any materials subject to minimum reporting requirements

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-3630 for this product, the complete package label & this SDS and Warranty.

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Safety Data Sheet & Warranty



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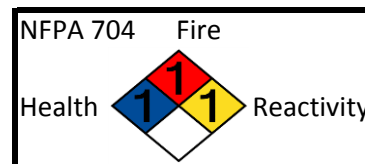


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Wording of terms:


- ACGIH American Conference of Government Industrial Hygienists
- CAS Number Chemical Abstract Service, unique number for each chemical
- ATE Acute Toxicity Estimate (a calculated value)
- CERCLA Comprehensive Environmental Response, Compensation and Liability Act
- EINECS European Inventory of Existing Commercial Chemical Substances
- GHS Global Harmonization System, worldwide chemical safety program.
- LC₅₀ Lethal Concentration that has 50% mortality of population
- LD₅₀ Lethal Dose that has 50% mortality of population
- NFPA National Fire Prevention Association
- NOAEL No observable adverse effect level
- 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	1
Fire Hazard	1
Reactivity Hazard	1
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: D2B
Contains a product on DSL
WHMIS Signal Word: DANGER

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: November 9, 2015. Revised to add SIKA COMPANY Trademark and format change October 18, 2016.

END OF SDS



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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.