



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

Experimental SCOFIELD® REPELLO® FPS - 3635

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: **Experimental SCOFIELD®REPELLO® FPS - 3635**

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

1.2 Relevant identified uses of product: Product is low-VOC, nonhazardous, penetrating sealer for colored or uncolored, horizontal or vertical concrete where it penetrates to provide improved durability with a nearly invisible appearance.

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 or mists.

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, H372, STOT, lungs, respiratory tract, RE, category 2

Acute Toxicity

H319--Cause serious eye irritation

H331--Toxic if inhaled

Chronic Toxicity

H372--Toxic if inhaled, RE, causes damage to lungs if inhaled.

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 dust/fumes/gas/mist/vapors/spray

P264--Do not eat, drink or smoke when using this product. Wash hands thoroughly with soap and water after use.

P280--Wear eye protection, safety glasses or tight fitting goggles, rubber gloves & organic gases + mist filter respirator.

GHS Category Key
1 = Most Hazardous
5 = Least Hazardous



GHS Pictogram

Signal Word: **WARNING**



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Response Precautionary (P) Statements

P304+P340+P312--**IF INHALED:** Move person to fresh air and keep comfortable for breathing. If condition worsens get medical attention. Transport person to emergency room and bring this SDS for doctor.

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.

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

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: Fluoropolymer 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 fluoropolymer and polysiloxane oil/water repellent dispersed in water.

Components of Mixture	CAS #	EINECS #	Weight %
Ethanol (Ethyl alcohol)	64-17-5	200-578-6	NDA
Proprietary Polysiloxane and Fluoropolymer Dispersion*	NDA	NDA	5-15%

*SVHC

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 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 eyes), ingestion, skin contact.



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5 FIRE-FIGHTING MEASURES

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

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, and a respirator fitted with organic vapors and mists cartridges.

6.2 Environmental precautions: Product is not 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 area and within a temperature range of 50 °F (10°C) to 104 °F (40 °C). Keep container 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

Components of Mixture	OSHA TWA 8hr	NIOSH REL	ACGIH TWA
Ethanol (Ethyl alcohol)	1,900 mg/m ³	NDA	A3* Carcinogen
Proprietary Polysiloxane and Fluoropolymer Dispersion	NDA	NDA	not listed

* A3 ACGIH confirmed animal carcinogen with unknown relevance to humans. NDA = No Data Available



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8.2 Exposure Controls

Personal Protective Equipment Symbols:

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

Engineering measures: Use local exhaust and room ventilation.

Respiratory equipment: When working in confined areas, always use an approved respirator equipped with mist filters and organic vapors cartridges.

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 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	opaque 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	>199-212 °F (>93-100 °C)
g)	Flash Point	>199 °F (93 °C) CC
h)	Auto ignition Temperature	Will not auto ignite
j)	Explosive Limits LEL/UEL	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	1.00 - 1.10
o)	Solubility in water	Miscible
p)	Evaporation Rate	Similar to water
q)	Viscosity	Similar to water
r)	VOC	<50 g/L (0.42 lb/gal)

9.2 Other information

Other data: No other information is available.



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Experimental SCOFIELD® REPELLO® FPS - 3635**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

Component of Mixture	LD ₅₀ Oral rat	LD ₅₀ dermal rabbit	LC ₅₀ Inhalation Rat
Ethanol (Ethyl Alcohol)	10,470 mg/kg	15,800 mg/kg	30,000 mg/L
Polysiloxane and Fluoropolymer (dispersion)	NDA	NDA	NDA

11.1 Principle routes of entry:

NDA = No Data Available

Ingestion: Harmful if swallowed. May cause serious irritation of the mouth, esophagus and upper digestive tract.

Inhalation: Chemical pneumonia can occur if aspirated into lungs. Avoid aspiration of product into respiratory tract.

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: Do NOT induce vomiting. Immediately call 911 or a POISON CENTER (800) 222-1222 for first aid advice.

11.5 Specific effects: No specific effects are known.

12 ECOLOGICAL INFORMATION**12.1 Toxicity:**

NDA = No Data Available

Components of Mixture	LC ₅₀	Species	Interval	EC ₅₀	Species	Interval
Ethanol (ethyl alcohol)	>100 mg/L	fish	96 hr	>100 mg/L	Aquatic Crustacea	48 hr
Proprietary polysiloxane+Fluoropolymer dispersion	NDA	NDA	NDA	NDA	NDA	NDA

12.1 Ecotoxicity

This product may be hazardous to the environment.

12.2 Persistence and degradability

This product is not degradable after proper installation.

12.3 Bioaccumulative Potential

No information on bioaccumulative potential is available.

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: Toxic to aquatic life with long lasting effects.

13 DISPOSAL CONSIDERATIONS**13.1 Waste Treatment Methods**

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



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14 TRANSPORT INFORMATION

- 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 Packaging 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, and Massachusetts
 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

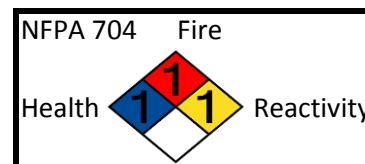
16 OTHER INFORMATION

Before using, read Scofield's Tech-Data Bulletin TD-3635 for this product, the complete package label and this SDS & 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 ₅₀	Lethal Concentration that has 50% mortality of population
LD ₅₀	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



NFPA: 0 = low hazard, 4 = high hazard



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Wording of terms: (continued)

OSHA	Occupational Safety and Health Act
PBT	Persistent, Bioaccumulative and Toxic
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
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: 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: August 11, 2016 as a new SDS, revised October 12, 2016 change in format.

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.