



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

LITHOTEX® Top Surface Retarder - 3640

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: **LITHOTEX® Top Surface Retarder - 3640**

Chemical Name: Mixture of carbohydrates, surfactant and colorant with additives.

1.2 Relevant identified uses of product

Product is used as a set retarder for freshly placed concrete to provide an exposed aggregate surface.

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 8AM-5PM M-F

4155 Scofield Road, Douglasville, GA 30134

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

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.

2.2 Label elements

GHS Hazard (H) Statements

Acute toxicity, ingestion, SE, H302, category 4

Skin irritant, SE, H313, category 4

Eye irritant, SE, H320, category, 2

Respiratory tract irritant (when inhaled as a mist), SE, H333, category 5

Harmful to aquatic life with long lasting effects, H412, category 3

Acute Toxicity

H302--Harmful if swallowed

H313-- Causes skin mild irritation

H320--Causes moderate eye irritation

H333--Harmful if inhaled

Chronic Toxicity

H412--Harmful to aquatic life with long lasting effects

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.

GHS Category Key

1 = Most Hazardous

5 = Least Hazardous



GHS Pictograms

GHS Signal Word: **WARNING**



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

LITHOTEX® Top Surface Retarder - 3640

Prevention Precautionary (P) Statements: (continued)

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

Response Precautionary (P) Statements

P301+P330+P331--**IF SWALLOWED**: Rinse mouth. Do NOT induce vomiting.

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 regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

For full text of wording of terms refer to Section 16.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Main Constituent, Carbohydrate compounds

3.2 Mixture, Solution of carbohydrates in water.

Components of Mixture	CAS #	EINECS #	Weight %
Polyethylene Glycol Octylphenyl Ether*	9036-19-5	Not available	0.5-2.5%
Carbohydrate, Sugar	14431-43-7	218-914-5	10 to 20%
Carbohydrate, Starch	9004-53-9	232-675-4	10 to 20%
Kaolin Clay	1332-58-7	310-194-1	5 to 10%
Biocide, Triazine Based	proprietary	not available	0.1 to 0.5%

*Contains one or more ingredients that may be hazardous to the environment (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 for doctor.

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. No delayed effects are known.



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

LITHOTEX® Top Surface Retarder - 3640

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 dry chemical extinguishing media or CO2 or foam to fight fire.

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: Effectively nonflammable

Unusual fire hazards: None

5.3 Advice for Firefighting:

Firefighting instructions: Fight fire using appropriate equipment for surrounding area.

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.

6.2 Environmental precautions

Product contains an ingredient that is hazardous to the environment, see Section 3, Chronic toxicity (SVHC-EC).

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 labelled drum for disposal.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene procedures. 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.



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

LITHOTEX® Top Surface Retarder - 3640

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

NDA = No Data Available

Components of Mixture	OSHA PEL 8hr	ACGIH TLV	NIOSH REL
Polyethylene Glycol Octylphenyl Ether	10 mg/m ³	NDA	NDA
Carbohydrate, Sugar	NA	NA	NA
Carbohydrate, Starch	15 mg/m ³	10 mg/m ³	NDA
Kaolin Clay	15 mg/m ³	2 mg/m ³ RD	5 mg/m ³ RD
Biocide, Triazine Based	NDA	NDA	NDA

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: Wear an approved respirator that is equipped mist/particulate filters.

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

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/federal waste requirements.



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	red color
d)	Odor	very slight odor
e)	Freezing/Melting Point	32°F (0 °C)
f)	Boiling Range	212 °F (100 °C)
g)	Flash Point	214 °F (101 °C)
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



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

LITHOTEX® Top Surface Retarder - 3640

Property/Parameter (continued)	Result/Value (continued)
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: Not relevant

10 STABILITY AND REACTIVITY

10.1 Reactivity

Avoid contact with strong acids and 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

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
Polyethylene Glycol Octylphenyl Ether	>16,000 mg/kg	16,000 mg/kg	3500 mg/kg mouse, oral
Carbohydrate, Sugar	No information available	No information available	No information available
Carbohydrate, Starch	No information available	No information available	No information available
Kaolin Clay	No information available	No information available	No information available
Biocide	1956 mg/kg	>2,000 mg/kg 24 hr	620 mg/m ³ , 4 hr

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: May contain trace amounts (<1 ppm) of 1,4-dioxane which may cause cancer or contribute to reproductive toxicity.



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

LITHOTEX® Top Surface Retarder - 3640

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Components of Mixture	LC ₅₀	Species	Interval	LC ₅₀	Species	Interval
Polyethylene Glycol Octylphenyl Ether	440 mg/L	Pimephales p.	96 hr	18-26 mg/L	Daphnia magna	48 hr
Carbohydrate, Sugar	NDA	NDA	NDA	NDA	NDA	NDA
Carbohydrate, Starch	NDA	NDA	NDA	NDA	NDA	NDA
Kaolin Clay	NDA	NDA	NDA	NDA	NDA	NDA
Biocide	>100 mg/L	Trout	96 hr	27.9 mg/L	Daphnia magna	48 hr

12.4 Mobility in soil

NDA = No Data Available

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

GHS P501-Dispose of contents/container according to local/state/regional waste regulations.

14 TRANSPORT INFORMATION

US DOT: Considered to be dangerous goods under transport regulations.

14.1 UN proper shipping name:

Not regulated under DOT regulations

14.2 Transport hazard class:

Not regulated under DOT regulations

14.3 Packing group

Not regulated under DOT regulations

14.4 Environmental hazards

Marine pollutant: Not regulated.

Environmentally hazardous substance: Not applicable.

14.5 Special precautions for user

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.

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



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

LITHOTEX® Top Surface Retarder - 3640

15.1 Safety, health and environmental regulations/legislation specific for substance or mixture:(continued)

SARA Title III Section 311/312: Immediate Health

SARA 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 relevant.

For information on labeling go to section 2.

There are no TSCA 12b chemicals in this product.

16 OTHER INFORMATION

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 No. 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.

LC₅₀ Lethal Concentration that has 50% mortality of population

LD₅₀ 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

RD Respirable Dust

RE Repeated Exposure

SVHC Substance of Very High Concern

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

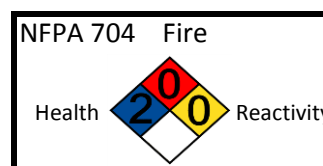
PBT Bioaccumulative, Persistent and Toxic

vPvB Very Persistent and very Bioaccumulative

WHMIS Workplace Hazardous Materials Information System(Canada)


Hazardous Material Information	
Health Hazard	2
Fire Hazard	0
Reactivity Hazard	0
Personal Protection	see sec. 8

0 = minimal hazard, 4 = extreme hazard



0 = low hazard, 4 = high 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 chemical on DSL
WHMIS Signal Word: WARNING

Safety Data Sheet & Warranty



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

LITHOTEX® Top Surface Retarder - 3640

The details in this document are based on our current knowledge and experience and are only for this product only in regard to safety requirements.

SDS issue date: May 26, 2015. Revised October 12, 2016, added SIKA COMPANY Trademark.

Before using, read Scofield's Tech-Data Bulletin TD-3640 for this product, the complete package label and this SDS and Warranty.

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 risk and liability in connection therewith.