

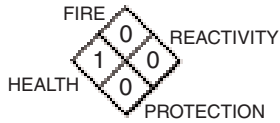


MATERIAL SAFETY DATA SHEET and WARRANTY

C-104 Rev4/11

Date: February 21, 2011

Section I Identification



HEALTH	[1]
FIRE	[0]
REACTIVITY	[0]
PROTECTION	[0]

Product Name: **SCOFIELD® SOLACHROME™ High-SRI Topping Base**
 Chemical Name: **Mixture**
 Chemical Family: **Mixture**
 Chemical Formula: **Mixture**
 Emergency Telephone Number: **CHEMTREC (800) 424-9300**
 Telephone Number Information: **SCOFIELD (770) 920-6000 (323) 720-3000**
 DOT Hazard Class: **Not Regulated**

Section II Hazardous Ingredients/ Identity

Composition	Weight	OSHA TWA	ACGIH TLV	CAS Number
Silica, Crystalline Quartz	30-70%	0.1 mg/m³	0.1 mg/m³	14808-60-7
Portland Cement	10-40%	10 mg/m³ (Total) 5 mg/m³ (Respirable)	10 mg/m³	65997-15-1

Section III Physical and Chemical Characteristics

Appearance/Color/Odor: **Gritty powder. White in color. No odor.**
 Solubility in Water: **Slight**
 Specific Gravity (H₂O = 1): **2.0 - 3.0**
 Vapor Density (Air = 1): **Not Applicable**
 Vapor Pressure (mm Hg): **Not Applicable**
 Boiling Point: **Not Applicable**
 Melting Point: **Not Applicable**
 Evaporation Rate (But Ac = 1): **Not Applicable**
 Volatile Organic Compounds: **None**

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used): **Not Applicable**
 Flammable Limits: **Not Applicable**
 Extinguishing Media: **None required**
 Special Fire Fighting Procedures: **Not Applicable**
 Unusual Fire and Explosion Hazards: **None known**

Section V Reactivity Data

Stability: **Stable**
 Conditions to Avoid: **Product reacts (hydrates) at a slow, controlled rate when mixed with water releasing minimal heat.**
 Incompatibility (Materials to Avoid): **Strong oxidizing agents, acids.**

L . M. SCOFIELD COMPANY

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Section V

Reactivity Data (continued)

Hazardous Decomposition or Byproducts: **None known**
Hazardous Polymerization: **Will not occur.**

Section VI

Health Hazard Data

Routes of Entry:

Skin contact, eye contact, inhalation and ingestion.

Inhalation - **Yes** Eyes - **Irritant** Skin - **Irritant** Ingestion - **Unlikely**

Health Hazards (Acute and Chronic): **Airborne particles will irritate the eyes and may cause temporary but reversible respiration difficulties. Portland Cement, in combination with water, may cause alkali burns. Repeated inhalation of respirable silica in excess of the TWA over extended periods of time may result in irreversible fibrosis of the lungs (silicosis).**

Carcinogenicity:

NTP - **Yes** IARC Monographs - **Yes** OSHA Regulated - **No**

IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans (volume 42, 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and that there is limited evidence of the carcinogenicity of crystalline silica to humans. IARC Class 2A.

IARC defines "limited evidence" as follows: "Limited evidence of carcinogenicity indicates that a casual interpretation is credible, but that alternative explanations, such as chance, bias or confounding, could not adequately be excluded." "Confounding" means that consideration was not given to known cancer causes such as tobacco products.

Referencing the IARC data, NTP lists silica, crystalline (respirable), under "Substances or groups of substances, and medical treatments which may reasonably be anticipated to be carcinogens".

Signs and Symptoms of Exposure:

Inhalation - **Undue coughing, wheezing, and breathlessness.**

Eyes - **Irritation, inflammation or abrasion of the eye.**

Skin - **Dryness, itching, rashes and burns may develop following contact with the skin. Dermatitis and skin sensitization may develop after repeated or prolonged skin contact.**

Ingestion - **May cause discomfort if swallowed.**

Medical Conditions Generally Aggravated by Exposure:

May aggravate other pulmonary conditions and diseases.

Emergency and First Aid Procedures:

Inhalation - **Move to fresh air. If coughing, irritation, difficulty in breathing or other respiratory symptoms persist or develop, get medical attention.**

Eyes - **DO NOT RUB EYES. Immediately flush with plenty of water and get medical attention.**

Skin - **Wash thoroughly with soap and water. Remove soiled clothing and wash before re-use. If symptoms develop, get medical attention.**

Ingestion - **Get medical attention.**

Note to physician - **Mucosal injury following ingestion of this material may contraindicate the induction of vomiting in the treatment of possible ingestion.**

Section VII

Precautions for safe Handling and Use

Steps to be taken in Case Material is Released or Spilled: **Follow procedures in Section VIII - Control Measures when cleaning up spills. Avoid generating dust during recovery or disposal. Collect in a closable container.**

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Section VII Precautions for safe Handling and Use (continued)

Waste disposal methods: **This product is not listed as a hazardous waste in Federal regulations, Resource Conservation & Recovery Act (RCRA) 40 CFR 261. Dispose of in compliance with local, state and federal regulations.**

Precautions to be Taken in Handling and Storing: **Store in cool dry area. Avoid contact with acids and other oxidizers. Avoid moisture; moisture may result in product hydration.**

Section VIII Control Measures

Respiratory Protection: **Dust (particulate) respirator (NIOSH TC-84A approved) recommended. 3M Company's "Tech Line" (1 800 243 4630) may be helpful for respirator advice and availability. For respiratory protection guidelines refer to OSHA 29 CFR 1910.134.**

Ventilation: **Adequate ventilation and sufficient local exhaust to reduce exposure to below TWA and TLV limits.**

Protective Gloves: **Impervious gloves recommended.**

Eye Protection: **Goggles recommended. Wearing of contact lenses when working with this product is not recommended.**

Other Protective Clothing or Equipment: **Wear suitable clothing to minimize skin contact.**

Work/Hygienic Practices: **Minimize exposure in accordance with good hygienic practice. Wash with soap and water immediately after handling.**

WARRANTY

Since no control is exercised over product use, L. M. Scofield Company 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 reach 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.