

**SPARTAN CHEMICAL COMPANY, INC.  
WHMIS MATERIAL SAFETY DATA SHEET**

**SECTION I: PRODUCT INFORMATION**

**PRODUCT IDENTIFIER  
GREEN SOLUTIONS FLOOR SEAL & FINISH**

**PRODUCT USE:** Floor Seal & Finish

**MANUFACTURER'S NAME & ADDRESS**  
Spartan Chemical Company, Inc.  
1110 Spartan Drive, Maumee, OH 43537 USA

**MEDICAL EMERGENCY TELEPHONE**  
888/314-6171 (24 Hours)  
**PRODUCT INFORMATION**  
800/537-8990

**SECTION II: HAZARDOUS INGREDIENTS**

CAS REGISTRY NO.	% W	CHEMICAL NAME(S)	TLV			LD50	LC50
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	Ceiling mg/m <sup>3</sup>		
25987-66-0	15-20	Styrene/acrylic copolymer	----	Not Established	----	Not available	Not available
25265-77-4	1-5	Ester alcohol	----	Not Established	----	Not available	Not available
78-51-3	1-5	Tributoxyethyl phosphate	----	Not Established	----	Not available	Not available
67892-91-5	1-5	Ethylene copolymer	----	Not Established	----	Not available	Not available
57-55-6	1-5	Propylene glycol	----	Not Established	----	Not available	Not available

**SECTION III: PHYSICAL DATA**

<b>BOILING POINT</b> 100 °C (212°F)	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</b> 1.02	<b>PERCENT SOLID BY WEIGHT</b> 20-30
<b>VAPOUR PRESSURE</b> Not established	<b>EVAPORATION RATE (butyl acetate = 1)</b> < 1	<b>FREEZING POINT</b> Not available
<b>VAPOUR DENSITY (AIR = 1)</b> Not established	<b>SOLUBILITY IN WATER</b> Complete	<b>ODOUR THRESHOLD</b> Not available
<b>pH</b> 7.8-8.2	<b>APPEARANCE AND ODOUR</b> Milky emulsion / mild odor	<b>PHYSICAL STATE</b> GAS__ LIQUID <u>X</u> SOLID_____
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION</b> Not available		

**SECTION IV: FIRE & EXPLOSION DATA**

<b>FLASH POINT</b> > 100 °C (212°F)	<b>METHOD USED</b> ASTM - D56	<b>FLAMMABLE LIMITS</b> Not established
<b>EXTINGUISHING MEDIA</b> Carbon dioxide, dry chemical, water	<b>CONDITIONS OF FLAMMABILITY</b> Not applicable	<b>AUTO-IGNITION TEMPERATURE</b> Not applicable
<b>HAZARDOUS COMBUSTION PRODUCTS</b> Not established		<b>EXPLOSION DATA</b> Not applicable
<b>SPECIAL FIRE FIGHTING PROCEDURES</b> Use self-contained breathing apparatus for maximum respiratory protection. Cool fire-exposed containers with water spray.		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> Combustion products are toxic. Dried product can burn.		

## SECTION V: REACTIVITY DATA

**STABILITY:** STABLE X      **CONDITIONS OF INSTABILITY**      **CONDITIONS OF REACTIVITY**  
Not established      Not established

**INCOMPATIBILITY (MATERIALS TO AVOID)**  
None known

**HAZARDOUS DECOMPOSITION PRODUCTS**  
Carbon dioxide, carbon monoxide

## SECTION VI: TOXICOLOGICAL PROPERTIES

**PRIMARY ROUTES OF ENTRY:** Eye Contact, Skin Contact, Ingestion, Inhalation

**EXPOSURE LIMIT**

Not established for mixture.

**EFFECTS OF ACUTE EXPOSURE:**

**EYE CONTACT** Causes mild eye irritation. Symptoms may include pain, redness, swelling and tearing.

**INGESTION** Harmful if swallowed. Symptoms may include nausea, vomiting, pain and diarrhea.

**SKIN CONTACT** May cause skin irritation. Symptoms may include redness, pain and swelling.

**EFFECTS OF CHRONIC EXPOSURE**

This product contains tributoxyethyl phosphate which may cause nervous system effects such as ataxia, breathing abnormalities and tremors with prolonged or repeated contact. No chronic health effects are expected from the intended use of this product.

**IRRITANCY OF PRODUCT**

Mild eye & skin irritant

**SENSITIZATION TO PRODUCT**

Not available

**CARCINOGENICITY**

No

**REPRODUCTIVE TOXICITY**

Not available

**TERATOGENICITY**

Not available

**MUTAGENICITY**

Not available

**SYNERGISTIC PRODUCTS**

Not available

## SECTION VII: PREVENTIVE MEASURE

**PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS**

Gloves are not required for normal use. Rubber or other impervious gloves are recommended for prolonged or frequent contact. Splash goggles are not required for normal use. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. Use of respirator not normally required when good general ventilation is provided. However, if respiratory irritation occurs use of a NIOSH approved respirator suitable for the use conditions and the chemicals in Section II should be considered.

**LEAK AND SPILL PROCEDURE** Small quantities may be flushed into sanitary sewer. Larger quantities should be picked up with inert absorbent material and disposed on in accordance with applicable regulations.

**WASTE DISPOSAL METHOD** Assure conformance with applicable regulations.

**HANDLING PROCEDURES** Avoid contact with eyes, skin or clothing. Do not taste or swallow. Wash thoroughly after handling.

**STORAGE REQUIREMENTS** Keep container closed when not in use. Protect from freezing. Do not store above 49°C (120°F). Keep out of reach of children.

**SPECIAL SHIPPING INFORMATION** Not regulated. Shipping Description: Non-Hazardous Products

## SECTION VIII: FIRST AID MEASURES

**EYES:** In case of contact, flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.

**SKIN:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothing before reuse.

**INGESTION:** Do not induce vomiting. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious person.

**INHALATION:** Move person to fresh air. Get medical attention if irritation persists.

## SECTION IX: PREPARATION INFORMATION

**GREEN SOLUTIONS FLOOR SEAL & FINISH**

**DATE OF PREPARATION:** December 2, 2014

**SUPERCEDES:** December 2, 2011

**APPROVED BY** Ronald T. Cook / Manager, Regulatory Affairs / Spartan Chemical Company, Inc.

**TELEPHONE NUMBER** 800/537-8990