

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

**SECTION I: PRODUCT INFORMATION**

**PRODUCT IDENTIFIER  
STRAIGHT SEAL**

**PRODUCT USE:** Water-Based Acrylic Concrete Seal

**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>		
Proprietary	20-30	Acrylic polymer	----	Not Established	----	Not available	Not available
112-34-5	5-10	Diethylene glycol monobutyl ether	----	Not Established	----	Not available	Not available
107-21-1	1-5	Ethylene glycol	----	----	100 (ACGIH)	Not available	Not available
84-74-2	1-5	Dibutyl phthalate	5	----	----	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> 1.04	<b>PERCENT SOLID BY WEIGHT</b> 22-24
<b>VAPOUR PRESSURE</b> Not established	<b>EVAPORATION RATE</b> (butyl acetate = 1) < 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> 7.0-8.0	<b>APPEARANCE AND ODOUR</b> Milky white emulsion, slight ammoniacal 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> Product does not support combustion. Not applicable	<b>CONDITIONS OF FLAMMABILITY</b>	<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. Water may be used to cool containers if not ruptured or leaking.		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> None known		

## SECTION V: REACTIVITY DATA

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

**INCOMPATIBILITY (MATERIALS TO AVOID)** Strong oxidizers

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

## SECTION VI: TOXICOLOGICAL PROPERTIES

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

**EXPOSURE LIMIT** Not established for mixture.

**EFFECTS OF ACUTE EXPOSURE:**

**EYE CONTACT:** Causes mild eye irritation with symptoms such as pain, redness and swelling.

**SKIN CONTACT:** May cause skin irritation with symptoms such as pain and redness.

**INGESTION:** Harmful if swallowed. Symptoms may include nausea, diarrhea, and intestinal upset.

**INHALATION:** Breathing vapors may cause respiratory irritation, headache and nausea.

**EFFECTS OF CHRONIC EXPOSURE**

This product contains dibutyl phthalate which causes adverse reproductive effects in laboratory animals.

This product contains ethylene glycol which may affect the kidneys and liver. Ingestion of large amounts of ethylene glycol has been shown to interfere with reproduction in animals.

**IRRITANCY OF PRODUCT**

Mild eye & skin irritant

**SENSITIZATION TO PRODUCT**

Not available

**CARCINOGENICITY**

No

**REPRODUCTIVE TOXICITY**

See above.

**TERATOGENICITY**

Not available

**MUTAGENICITY**

Not available

**SYNERGISTIC PRODUCTS**

Not available

## SECTION VII: PREVENTIVE MEASURE

**PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS**

Wear impervious rubber gloves and splash goggles when product contact or splashing is possible. Provide good general ventilation.

Local exhaust ventilation may be necessary for some operations. If exposure limits (see Section II) can not be maintained by ventilation, use of a NIOSH approved respirator suitable for the conditions of use and 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. Avoid breathing product vapors or mist. Use with adequate ventilation. Do not taste or swallow. Wash thoroughly after handling.

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

**SPECIAL SHIPPING INFORMATION** None, Shipping Description: Non Hazardous Products

## SECTION VIII: FIRST AID MEASURES

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

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

**INGESTION:** Do not induce vomiting unless advised to do so by a doctor or poison control center. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious person.

**INHALATION:** In case of respiratory irritation or dizziness, move person to fresh air. Get medical attention if irritation persists.

## SECTION IX: PREPARATION INFORMATION

**STRAIGHT SEAL**

**DATE OF PREPARATION:** October 20, 2015

**SUPERCEDES:** November 24, 2012

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

**TELEPHONE NUMBER** 800/537-8990