

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

SECTION I: PRODUCT INFORMATION

**PRODUCT IDENTIFIER
FLOORFRONT**

PRODUCT USE: Floor 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 ³	STEL mg/m ³	Ceiling mg/m ³		
Proprietary	10-15	Acrylic polymer	----	Not Established	----	Not available	Not available
111-90-0	1-5	Diethylene glycol monoethyl ether	140 (AIHA)	----	----	Not available	Not available
78-51-3	1-5	Tributoxyethyl phosphate	----	Not Established	----	Not available	Not available
68441-17-8	1-5	Polyethylene polymer	----	Not Established	----	Not available	Not available
Proprietary	1-5	Styrene /Acrylic copolymer	----	Not Established	----	Not available	Not available

SECTION III: PHYSICAL DATA

BOILING POINT 100 °C (212°F)	SPECIFIC GRAVITY (H₂O = 1) 1.029	PERCENT SOLID BY WEIGHT 20-30
VAPOUR PRESSURE Not established	EVAPORATION RATE (butyl acetate = 1) < 1	FREEZING POINT Not available
VAPOUR DENSITY (AIR = 1) Not established	SOLUBILITY IN WATER Complete	ODOUR THRESHOLD Not available
pH 8.0 - 9.0	APPEARANCE AND ODOUR Milky emulsion, mild odor	
COEFFICIENT OF WATER/OIL DISTRIBUTION Not available		PHYSICAL STATE GAS__ LIQUID <u>X</u> SOLID_____

SECTION IV: FIRE & EXPLOSION DATA

FLASH POINT > 100 °C (212°F)	METHOD USED ASTM - D56	FLAMMABLE LIMITS Not established
EXTINGUISHING MEDIA Product does not support combustion. Use extinguishing media appropriate for surrounding fire.	CONDITIONS OF FLAMMABILITY Not applicable	AUTO-IGNITION TEMPERATURE Not applicable
HAZARDOUS COMBUSTION PRODUCTS Not established		EXPLOSION DATA Not applicable
SPECIAL FIRE FIGHTING PROCEDURES Use self-contained breathing apparatus for maximum respiratory protection. Water may be used to cool containers if not ruptured or leaking.		
UNUSUAL FIRE AND EXPLOSION HAZARDS Dried product can burn. Combustion products are toxic.		

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. Symptoms may include pain, redness, swelling and tearing.

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

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

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

EFFECTS OF CHRONIC EXPOSURE

This product contains diethylene glycol monoethyl ether which may cause headache, nausea, dizziness and liver / kidney impairment. 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

Wear impervious rubber gloves and splash goggles or safety glasses 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 spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for recovery or disposal. Keep spill out of storm sewers and waterways.

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: 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 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

FLOORFRONT

DATE OF PREPARATION June 1, 2015

SUPERCEDES: First WHMIS Edition

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

TELEPHONE NUMBER 800/537-8990