

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

**SECTION I: PRODUCT INFORMATION**

**PRODUCT IDENTIFIER:**  
**CONSUME**

**PRODUCT USE:** Bacterial/ Digestant/ Deodorant

**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>		
34398-01-1	1-5	Alcohol ethoxylate	---	Not Established	---	Not available	Not available
Proprietary	NA	Bacterial spores (Bacillus species)	---	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> 1.00	<b>PERCENT SOLID BY WEIGHT</b> 4-8
<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> 8.0-9.0	<b>APPEARANCE AND ODOUR</b> Green liquid, pleasant fragrance	<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 available
<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. Water may be used to cool containers if not ruptured or leaking.		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> Product does not support combustion. Use extinguishing media appropriate for surrounding fire.		

## SECTION V: REACTIVITY DATA

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

**INCOMPATIBILITY (MATERIALS TO AVOID)** Strong acids, oxidizing agents

**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 eye irritation with symptoms of pain, redness, swelling and tearing.

**SKIN CONTACT** Causes skin irritation with symptoms of pain, redness and swelling.

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

**INHALATION** Breathing product mist may cause respiratory irritation. Symptoms may include coughing and difficulty breathing. This product contains living bacterial spores. The bacteria in this product may cause infection if introduced into an open wound, broken skin or mucous membrane in sufficient quantity. May affect people with asthma.

**EFFECTS OF CHRONIC EXPOSURE**  
None known

<b>IRRITANCY OF PRODUCT</b>	<b>SENSITIZATION TO PRODUCT</b>	<b>CARCINOGENICITY</b>
Causes eye and skin irritation.	Not available	No
<b>REPRODUCTIVE TOXICITY</b>	<b>TERATOGENICITY</b>	<b>MUTAGENICITY</b>
Not available	Not available	Not available
		<b>SYNERGISTIC PRODUCTS</b>
		Not available

## SECTION VII: PREVENTIVE MEASURE

**PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS**  
Wear natural rubber or other impervious gloves and splash goggles. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.

**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 regulations.

**HANDLING PROCEDURES:** Avoid contact with eyes, skin or clothing. Avoid contact with open wounds, broken skin or mucous membranes. Avoid breathing product mist. Do not swallow. Use with adequate ventilation. Wash thoroughly after handling. Do not use this product in patient healthcare areas. Do not use this product on human hand contact surfaces such as countertops, toilet seats or bathroom fixtures (faucets, flush handles, door knobs, etc.)

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

**SPECIAL SHIPPING INFORMATION:** Not regulated. Shipping Description: Cleaning compounds, liquid, n.o.s.

## 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. Apply a topical antiseptic agent to open wounds or broken skin. 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:** In case of respiratory irritation, move person to fresh air. Get medical attention if irritation persists.

## SECTION IX: PREPARATION INFORMATION

**CONSUME**

**DATE OF PREPARATION** June 1, 2007

**SUPERCEDES** November 30, 2005

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

**TELEPHONE NUMBER** 800/537-8990