

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

**SECTION I: PRODUCT INFORMATION**

**PRODUCT IDENTIFIER**

**BIORENEWABLES WATERLESS HAND CLEANER**

**PRODUCT USE:** Heavy duty hand cleaner

**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>		
67784-80-9	10-15	Methyl soyate	----	Not Established	----	Not available	Not available
57-11-4	1-5	Stearic acid	----	Not Established	----	Not available	Not available
68991-48-0	1-5	C9-11 Parath-6	----	Not Established	----	Not available	Not available
102-71-6	1-5	Triethanolamine	5 (ACGIH)	----	----	Not available	Not available
61791-10-4	1-5	PEG-15 Cocomonium chloride	----	Not Established	----	Not available	Not available
56-81-5	1-5	Glycerin	15 (OSHA total)	----	----	Not available	Not available
			5 (OSHA resp.)				
			10 (ACGIH mist)				

**SECTION III: PHYSICAL DATA**

**BOILING POINT**

100 °C (212°F)

**VAPOUR PRESSURE**

Not established

**VAPOUR DENSITY (AIR = 1)**

Not established

**pH**

7.0-8.0

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1)**

0.99

**EVAPORATION RATE (butyl acetate = 1)**

< 1

**SOLUBILITY IN WATER**

Complete

**APPEARANCE AND ODOUR**

White cream, herbal fragrance

**PERCENT SOLID BY WEIGHT**

25-35%

**FREEZING POINT**

Not available

**ODOUR THRESHOLD**

Not available

**COEFFICIENT OF WATER/OIL DISTRIBUTION**

Not available

**PHYSICAL STATE**

Gas  Liquid  Solid

**SECTION IV: FIRE & EXPLOSION DATA**

**FLASH POINT**

> 100 °C (212°F)

**EXTINGUISHING MEDIA**

Water, CO<sub>2</sub> or dry chemical

**HAZARDOUS COMBUSTION PRODUCTS**

Not established

**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**

Product does not support combustion. Use extinguishing media appropriate for surrounding fire.

**METHOD USED**

ASTM - D56

**CONDITIONS OF FLAMMABILITY**

Not applicable

**FLAMMABLE LIMITS**

Not established

**AUTO-IGNITION TEMPERATURE**

Not applicable

**EXPLOSION DATA**

Not applicable

## 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 and Ingestion

**EXPOSURE LIMIT**

Not established for mixture.

**EFFECTS OF ACUTE EXPOSURE:**

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

**INGESTION:** May be harmful if swallowed. Symptoms may include nausea, vomiting, pain and diarrhea.

**EFFECTS OF CHRONIC EXPOSURE**

None known.

**IRRITANCY OF PRODUCT**

May cause eye irritation.

**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:**

Use of gloves and eye protection not required.

**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:** Dispose of in compliance with all laws and regulations.

**HANDLING PROCEDURES:** Avoid contact with eyes. Do not swallow. Discontinue use if signs of irritation or rash appear.

**STORAGE REQUIREMENTS:** Do not mix with other chemicals. Keep from freezing.

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

## SECTION VIII: FIRST AID MEASURES

**EYES:** Flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention.

**SKIN:** Flush with plenty of water. Get medical attention if irritation persists.

**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.

## SECTION IX: PREPARATION INFORMATION

**BIORENEWABLES WATERLESS HAND CLEANER**

**DATE OF PREPARATION:** October 25, 2016

**SUPERCEDES:** October 25, 2013

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

**TELEPHONE NUMBER:** 800/537-8990