

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

**SECTION I: PRODUCT INFORMATION**

**PRODUCT IDENTIFIER**

**CLOTHESLINE FRESH LAUNDRY SOUR [8]**

**PRODUCT USE:** Liquid pH neutralizer for laundry

**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>		
77-92-9	1-5	Citric acid	----	Not Established	----	Not available	Not available
497-19-8	1-5	Sodium carbonate	----	Not Established	----	Not available	Not available

**SECTION III: PHYSICAL DATA**

**BOILING POINT**

100 °C (212°F)

**VAPOUR PRESSURE**

Not established

**VAPOUR DENSITY (AIR = 1)**

Not established

**pH**

3.0-4.0

**COEFFICIENT OF WATER/OIL DISTRIBUTION**

Not available

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

1.035

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

< 1

**SOLUBILITY IN WATER**

Complete

**APPEARANCE AND ODOUR**

Slightly yellow liquid, mild odor

**PERCENT SOLID BY WEIGHT**

5-10%

**FREEZING POINT**

Not available

**ODOUR THRESHOLD**

Not available

**PHYSICAL STATE**

GAS\_\_ LIQUID X 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.

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

## SECTION VI: TOXICOLOGICAL PROPERTIES

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

**EXPOSURE LIMIT**

Not established for mixture.

**EFFECTS OF ACUTE EXPOSURE:**

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

**SKIN CONTACT:** Causes skin irritation with symptoms such as pain, redness and swelling.

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

**INHALATION:** Breathing product mist may cause respiratory irritation with symptoms such as coughing.

**EFFECTS OF CHRONIC EXPOSURE**

None known.

**IRRITANCY OF PRODUCT**

Causes eye irritation.

Causes skin 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:**

Wear rubber or other impervious gloves and splash goggles when handling product. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. Respiratory protection is not expected to be required with normal use.

**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, skin or clothing. Do not swallow. Avoid breathing product mist.

Wash thoroughly after handling. Except as allowed in Clothesline Fresh product directions for use, do not mix with hypochlorite type bleach, chlorinated detergents or other chemicals as hazardous gases may be released.

**STORAGE REQUIREMENTS:** Do not freeze. Keep out of reach of children.

**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:** Remove contaminated clothing. Wash thoroughly with soap and 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.

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

## SECTION IX: PREPARATION INFORMATION

**CLOTHESLINE FRESH LAUNDRY SOUR [8]**

**DATE OF PREPARATION:** October 23, 2013

**SUPERCEDES** October 23, 2010

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

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