

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

**SECTION I: PRODUCT INFORMATION**

**PRODUCT IDENTIFIER:**

**CLOTHESLINE FRESH XTREME HARD WATER ALKALINE DETERGENT [10]**

**PRODUCT USE:** Liquid alkaline laundry detergent

**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>		
68131-39-5	5-10	Alcohol ethoxylate	----	Not Established	----	Not available	Not available
1310-58-3	5-10	Potassium hydroxide	----	Not Established	----	Not available	Not available
64-02-8	1-5	Tetrasodium EDTA	----	Not Established	----	Not available	Not available
1300-72-7	1-5	Sodium xylene sulfonate	----	Not Established	----	Not available	Not available
68439-46-3	1-5	Alcohol ethoxylate	----	Not Established	----	Not available	Not available
68515-73-1	1-5	Alkyl polyglycoside	----	Not Established	----	Not available	Not available
1643-20-5	1-5	Lauramine oxide	----	Not Established	----	Not available	Not available
Proprietary	1-5	Acrylic copolymer	----	Not Established	----	Not available	Not available
1310-73-2	1-5	Sodium hydroxide	2	---	---	Not available	Not available
53980-88-4	1-5	Dicarboxylic fatty acid	----	Not Established	----	Not available	Not available
102-71-6	1-5	Triethanolamine	5 (ACGIH)	----	----	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**

14.0

**COEFFICIENT OF WATER/OIL DISTRIBUTION**

Not available

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

1.126

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

< 1

**SOLUBILITY IN WATER**

Complete

**APPEARANCE AND ODOUR**

Red liquid, pleasant odor

**PERCENT SOLID BY WEIGHT**

30-40

**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 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 available

**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 acids and strong oxidizing agents  
**HAZARDOUS DECOMPOSITION PRODUCTS** None known

## SECTION VI: TOXICOLOGICAL PROPERTIES

**PRIMARY ROUTES OF ENTRY:** Eye Contact, Skin Contact, Ingestion, Inhalation,  
**EXPOSURE LIMIT** Not established for mixture.  
**EFFECTS OF ACUTE EXPOSURE: Corrosive**  
**EYE CONTACT** Causes severe eye damage and chemical burns. Permanent eye damage is possible.  
**SKIN CONTACT** Causes severe skin damage with symptoms of pain, redness and chemical burns.  
**Harmful contact may not cause immediate pain.**  
**INGESTION** Harmful if swallowed. Causes damage to esophagus and mucous membranes with symptoms of pain, nausea, vomiting and diarrhea.  
**INHALATION** Breathing product mist may cause irritation or damage of the respiratory tract with symptoms of nasal discomfort and coughing.  
**EFFECTS OF CHRONIC EXPOSURE**  
None known  
**IRRITANCY OF PRODUCT**      **SENSITIZATION TO PRODUCT**      **CARCINOGENICITY**  
CORROSIVE (see above)      Not available      No  
**REPRODUCTIVE TOXICITY**      **TERATOGENICITY**      **MUTAGENICITY**      **SYNERGISTIC PRODUCTS**  
Not available      Not available      Not available      Not available

## SECTION VII: PREVENTIVE MEASURE

**PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS**  
Wear rubber or other impervious gloves and splash goggles when handling product. Eyewash stations and washing facilities should be readily accessible in areas where undiluted product is handled. See 29 CFR 1910.132-138 for further guidance. 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** Contain large spills and transfer to appropriate container for reclamation or disposal. Absorb remaining material or small spills with an inert material and dispose in accordance with regulations.  
**WASTE DISPOSAL METHOD** Assure conformance with regulations.  
**HANDLING PROCEDURES** Do not get in eyes, on skin or clothing that is being worn. Avoid breathing product mist. Do not swallow. Wash thoroughly after handling.  
**STORAGE REQUIREMENTS** Keep container closed when not in use. Store in a cool, dry place. Do not freeze. Keep out of reach of children.  
**SPECIAL SHIPPING INFORMATION** Corrosive liquids, n.o.s., 8, UN 1760, II, (contains potassium hydroxide, sodium hydroxide)

## SECTION VIII: FIRST AID MEASURES

**EYES:** Immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Get immediate medical attention.  
**SKIN:** Remove contaminated clothing. Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention. Wash contaminated clothing before reuse. Destroy contaminated shoes.  
**INGESTION:** Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting. Drink one or two glasses of water to dilute product. Do not give anything by mouth to an unconscious person.  
**INHALATION:** Move person to fresh air. Get medical attention if irritation persists.

## SECTION IX: PREPARATION INFORMATION

**CLOTHESLINE FRESH XTREME HARD WATER ALKALINE DETERGENT [10]**  
**DATE OF PREPARATION:** December 2, 2014  
**SUPERCEDES:** December 2, 2011  
**PREPARED BY** Ronald T. Cook / Manager, Regulatory Affairs / Spartan Chemical Company, Inc.  
**TELEPHONE NUMBER** 800/537-8990