

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

**SECTION I: PRODUCT INFORMATION**

**PRODUCT IDENTIFIER:**  
**SQUARE ONE**

**PRODUCT USE:** Heavy-Duty Finish and Wax Stripper

**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>		
111-76-2	5-10	2-Butoxyethanol	240 (skin) 96	-----	-----	Not available	Not available
1300-72-7	5-10	Sodium xylene sulfonate	-----	Not Established	-----	Not available	Not available
1310-73-2	1-5	Sodium hydroxide	2	---	---	Not available	Not available
68439-46-3	1-5	Alcohol ethoxylate	-----	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> 1.07	<b>PERCENT SOLID BY WEIGHT</b> 10-15
<b>VAPOUR PRESSURE</b> Not established	<b>EVAPORATION RATE (butyl acetate = 1)</b> < 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> 13.5-13.8	<b>APPEARANCE AND ODOUR</b> Clear purple liquid, Pine 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> Water, CO <sub>2</sub> or dry chemical	<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 and strong oxidizing agents

**HAZARDOUS DECOMPOSITION PRODUCTS** None known

## 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 severe eye damage and chemical burns. Permanent eye damage is possible.

**SKIN CONTACT** Causes severe skin damage or irritation with symptoms of pain, redness and chemical burns. Harmful contact may not cause immediate pain. Repeated contact may cause dermatitis.

**SKIN ABSORPTION** Butoxyethanol is absorbed through the skin which may affect the liver, kidneys, lymph and blood systems.

**INGESTION** Harmful or fatal if swallowed. Causes damage or chemical burns to esophagus and mucous membranes with symptoms of pain, nausea, vomiting and diarrhea.

**INHALATION** Breathing product vapor or mist may cause irritation or damage of the respiratory tract with symptoms of nasal discomfort and discharge with chest pain and coughing.

**EFFECTS OF CHRONIC EXPOSURE** Contains Butoxyethanol, which may cause central nervous system depression with symptoms of headache, nausea, dizziness and drowsiness. Exposure to butoxyethanol may cause blood cell, liver and kidney damage based on animal data.

**IRRITANCY OF PRODUCT**

CORROSIVE

**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 impermeable gloves, boots and splash goggles. Use of impervious apron, face shield and other protective equipment should be considered in order to minimize contact with this product. Eyewash stations and washing facilities should be readily accessible. See 29 CFR 1910.132-138 for further guidance. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. If exposure limits are exceeded (see Section II), or if respiratory irritation occurs, the use of a NIOSH approved respirator suitable for the conditions of use and the chemicals in Section II should be considered. (N95 or greater with organic vapor cartridge recommended)

**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. Keep spill out of storm sewers and waterways.

**HANDLING PROCEDURES** Do not get in eyes, on skin or clothing. Avoid breathing product vapor or mist. Do not swallow. Use with adequate ventilation. 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** Corrosive liquids, n.o.s., 8, UN 1760, II, (contains sodium hydroxide)

## SECTION VIII: FIRST AID MEASURES

**EYES:** In case of contact, immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Call a poison control center or doctor for treatment advice.

**SKIN:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a poison control center or doctor for treatment advice. 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:** In case of respiratory irritation or dizziness, move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.

## SECTION IX: PREPARATION INFORMATION

### SQUARE ONE

**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