

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

**SECTION I: PRODUCT INFORMATION**

**PRODUCT IDENTIFIER:**

**L.O.E. STRIPPER**

**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>		
112-34-5	20-30	Diethylene glycol monobutyl ether	-----	Not Established	-----	Not available	Not available
141-43-5	5-10	Monoethanolamine	6	15 (ACGIH)	---	Not available	Not available
1310-58-3	1-5	Potassium hydroxide	---	---	2 (NIOSH)	Not available	Not available
68130-47-2	1-5	Phosphate ester	-----	Not Established	-----	Not available	Not available

**SECTION III: PHYSICAL DATA**

<b>BOILING POINT</b> 99°C (210°F)	<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1)</b> 1.02	<b>PERCENT SOLID BY WEIGHT</b> 3-5
<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>pH</b> 13.0-13.7	<b>APPEARANCE AND ODOUR</b> Clear light orange liquid, mild odor	<b>ODOUR THRESHOLD</b> Not available
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION</b> Not available		<b>PHYSICAL STATE</b> GAS__ LIQUID <u>X</u> SOLID _____

**SECTION IV: FIRE & EXPLOSION DATA**

<b>FLASH POINT</b> > 99°C (210°F)	<b>METHOD USED</b> ASTM - D56	<b>FLAMMABLE LIMITS</b> Not available
<b>EXTINGUISHING MEDIA</b> Not applicable	<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> Not available		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> Not available		

## 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:**

**EYE CONTACT** Causes severe eye damage and chemical burns. Permanent eye damage is possible.

**INGESTION** Harmful or fatal if swallowed. Causes damage or chemical burns to esophagus and mucous membranes with symptoms of pain, nausea, vomiting and diarrhea. Aspiration of product into the lungs may occur during ingestion or vomiting resulting in lung injury.

**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.

**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.

**EFFECTS OF CHRONIC EXPOSURE**  
Contains monoethanolamine which may cause liver and kidney damage with repeated exposure.

<b>IRRITANCY OF PRODUCT</b>	<b>SENSITIZATION TO PRODUCT</b>	<b>CARCINOGENICITY</b>	
CORROSIVE	Not available	No	
<b>REPRODUCTIVE TOXICITY</b>	<b>TERATOGENICITY</b>	<b>MUTAGENICITY</b>	<b>SYNERGISTIC PRODUCTS</b>
Not available	Not available	Not available	Not available

## SECTION VII: PREVENTIVE MEASURE

**PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS**  
Wear Solvent / alkali resistant 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.

**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. 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:** UN 1760, Corrosive liquids, n.o.s., (contains potassium hydroxide), 8 , II

## 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

**L.O.E. STRIPPER**  
**DATE OF PREPARATION:** May 1, 2016  
**SUPERCEDES:** June 1, 2013  
**PREPARED BY** Ronald T. Cook / Manager, Regulatory Affairs / Spartan Chemical Company, Inc.  
**TELEPHONE NUMBER** 800/537-8990