

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

**SECTION I: PRODUCT INFORMATION**

**PRODUCT IDENTIFIER  
SYNSPAR GP**

**PRODUCT USE:** Synthetic Machining and Grinding Fluid

**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>		
102-71-6	20-30	Triethanolamine	5 (ACGIH)	-----	-----	Not available	Not available
9038-95-3	1-5	Polyalkylene glycol	---- Not Established	-----	-----	Not available	Not available
10043-35-3	1-5	Boric acid	15 (as dust)	-----	-----	Not available	Not available
693-23-2	1-5	Dodecanedioic acid	---- Not Established	-----	-----	Not available	Not available
1852-04-6	1-5	Undecanedioic acid	---- Not Established	-----	-----	Not available	Not available
39464-70-5	1-5	Phosphate ester	---- 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> 1.025	<b>PERCENT SOLID BY WEIGHT</b> 25-30
<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> 8.0-9.0	<b>APPEARANCE AND ODOUR</b> Clear liquid, mild odor	<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 established
<b>EXTINGUISHING MEDIA</b> Water, CO2 or dry chemical	<b>CONDITIONS OF FLAMMABILITY</b> Not applicable	<b>AUTO-IGNITION TEMPERATURE</b> Not applicable
<b>HAZARDOUS COMBUSTION PRODUCTS</b> Combustion products are toxic.		<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> None known		

## 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, Skin Contact, Ingestion, Inhalation

### EXPOSURE LIMIT

Not established for mixture.

### EFFECTS OF ACUTE EXPOSURE:

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

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

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

**INHALATION:** Breathing product mist may cause respiratory irritation.

### EFFECTS OF CHRONIC EXPOSURE

Contains triethanolamine which may cause skin sensitization with repeated contact. Repeated exposure to triethanolamine may cause liver and kidney effects. No chronic health effects are expected from the intended use of this product.

### IRRITANCY OF PRODUCT

Causes skin and eye irritation

### SENSITIZATION TO PRODUCT

Not available

### CARCINOGENICITY

No

### REPRODUCTIVE TOXICITY

Contains boric acid which has demonstrated reproductive and developmental effects when ingested by animals in high amounts.

### TERATOGENICITY

Not available

### MUTAGENICITY

Not available

### SYNERGISTIC PRODUCTS

Not available

## SECTION VII: PREVENTIVE MEASURE

### PERSONAL PROTECTIVE EQUIPMENT / ENGINEERING CONTROLS:

Wear natural rubber or other impervious gloves and splash goggles when handling undiluted product. Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. If respiratory irritation can not be prevented by ventilation, use of a NIOSH approved respirator suitable for the conditions of use and chemicals in Section II should be considered. (N95 or higher recommended)

**LEAK AND SPILL PROCEDURE:** Dike and contain spills with inert material (sand, earth, commercial absorbent, etc.) and transfer to containers for disposal. Keep spill out of storm sewers and waterways. It is recommended that local authorities be contacted to determine if there are local reporting requirements.

**WASTE DISPOSAL METHOD:** Assure conformance with applicable regulations.

**HANDLING PROCEDURES:** Avoid contact with eyes, skin and clothing. Do not swallow. Avoid breathing product mist. 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:** None, Shipping Description: Non-Hazardous Products

## 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 skin thoroughly with soap and water. Get medical attention if irritation persists. Wash contaminated clothing before reuse.

**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

**SYNSPAR GP**

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

**SUPERCEDES:** June 1, 2013

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

**TELEPHONE NUMBER** 800/537-8990