



## Spartan Chemical Company, Inc. Material Safety Data Sheet

### SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):  
**MAXIM VHP**  
Product Number: 2940

Product Division:  
**IPG**

**Spartan Chemical Company, Inc.**  
1110 Spartan Drive  
Maumee OH 43537

Product/Technical Information: **1-(800)-537-8990**  
Medical Emergency: **1-(888)-314-6171 (24 hours)**  
Chemical Leak/Spil Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Compounds, metal cutting, liquids, n.o.s.

NFPA Ratings:	HMIS Ratings:
<b>Health:</b> 2 - Moderate <b>Fire:</b> 1 - Slight <b>Reactivity:</b> 0 - Minimal	<b>Health:</b> *2 - Moderate; Chronic Hazard <b>Fire:</b> 1 - Slight <b>Reactivity:</b> 0 - Minimal <b>Pers. Prot. Equip.:</b> See Section VIII

### SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Hydrotreated naphthenic oil	30-40	64742-52-5	5 (oil mist)	Not Established	Not Established	No
Hydrotreated naphthenic oil	20-30	64742-53-6	5 (oil mist)	Not Established	Not Established	No
Chlorinated paraffin	15-20	63449-39-8	Not Established	Not Established	Not Established	No
Potassium carboxylate	10-15	Proprietary	Not Established	Not Established	Not Established	No
Alkyl succinate potassium salt	5-10	Proprietary	Not Established	Not Established	Not Established	No
Alcohol ethoxylate	1-5	34398-01-1	Not Established	Not Established	Not Established	No
Amine carboxylate salt	1-5	Proprietary	Not Established	Not Established	Not Established	No
Hexylene glycol	1-5	107-41-5	Not Established	Not Established	121 (ACGIH)	No
Hexahydro-1,3,5-tris(2-hydroxyethyl)-s-triazine	1-5	4719-04-4	Not Established	Not Established	Not Established	No
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### SECTION III: PHYSICAL DATA

Boiling Point: > 300 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Forms an emulsion
pH: 10.2-10.4 (10% emulsion)	Specific Gravity (H <sub>2</sub> O=1): 0.977
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 80-85
Physical State: Liquid	
Appearance & Odor: Transparent brown liquid/ mild amine odor	

**SECTION IV: FIRE & EXPLOSIVE HAZARD DATA**

Flash Point: Greater than 230°F	Method Used: Estimate
Flammable Limits: N/A	Flame Extension: N/A
Extinguishing Media: Foam, dry chemical, CO <sub>2</sub> , water fog or spray	
Special Fire Fighting Procedures: Use air supplied breathing equipment for enclosed areas. Avoid breathing vapor or fumes.	
Unusual Fire & Explosive Hazards: Do not mix or store with strong oxidants like liquid chlorine or concentrated oxygen.	

**SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value: Not Established	Primary Routes of Entry: Inhalation, Skin Contact, Eyes & Oral
Effects of Overexposure- Conditions to Avoid:	<b>Causes skin irritation:</b> Symptoms may include redness, pain and possible dermatitis. <b>Causes eye irritation:</b> Symptoms may include pain, tearing and redness. <b>Harmful if swallowed:</b> Symptoms may include stomach or intestinal upset. <b>Inhalation of product mist may cause respiratory irritation:</b> Symptoms may include irritation of nose, throat and airways. Contains petroleum distillates which may be aspirated into the lungs during swallowing or vomiting resulting in lung inflammation and other lung injury. Contains hexylene glycol which may cause sensitization and an allergenic skin reaction in a small proportion of individuals. The effects of prolonged or repeated exposure are not well established. Repeated overexposure may cause liver and kidney effects. <b>Avoid contact with eyes, skin and clothing. Do not taste or swallow. Avoid breathing product mist. Wash thoroughly after handling.</b>
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis.
<b>Emergency &amp; First Aid Procedures:</b>	
Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. If irritation persists; 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. Call a physician immediately.
Inhalation:	Move person to fresh air. Get medical attention if irritation persists.
Note to Physician: Contains petroleum distillates. Possible aspiration hazard.	

**SECTION VI: REACTIVITY DATA**

Stability: Stable	Incompatible Materials: Strong oxidizing agents
Hazardous Decomposition Products: CO, CO <sub>2</sub> , sulfur oxides if burned	Hazardous Polymerization: Will Not Occur

**SECTION VII: SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled:	Prevent liquid from entering sewers, watercourses or low areas. Contain spilled liquid with sand, earth or other inert absorbent. Do not use combustible materials such as sawdust. In addition it is recommended that local authorities be contacted to determine if there are local reporting requirements.
Waste Disposal Method:	Consult an expert on disposal of recovered material and ensure conformity with federal, state and local regulations.

**SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Normally not required if adequate ventilation is provided. However if exposure limits are exceeded (see Section II) or if respiratory irritation occurs; use of a NIOSH approved respirator appropriate for the conditions of use and chemicals in Section II should be considered.
Ventilation:	Local Exhaust: Follow ACGIH industrial ventilation recommendations. Mechanical: (Recommended). Provide ventilation suitable for type of building structure and work area.
Protective Gloves(Specify Type):	Rubber or other impervious gloves are recommended when handling undiluted product. Gloves are also recommended when working with the diluted product for individuals with sensitive skin.
Eye Protection(Specify Type):	Splash Goggles are recommended to prevent eye contact.
Other Protective Equipment:	For further guidance see 29 CFR 1910.132-138.

**SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Store in a cool dry place away from strong oxidizers and extreme heat. Keep containers sealed and stored upright when not in use.
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Other Precautions: Keep out of reach of children.

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**MAXIM VHP**

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Changes: Review

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