



# 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, n.o.s.

| <b>NFPA Ratings:</b>  | <b>HMIS Ratings:</b>  |
|---|---|
| <b>Health:</b> 2 - Moderate<br><b>Fire:</b> 1- Slight<br><b>Reactivity:</b> 0 - Minimal | <b>Health:</b> *2 - Moderate; Chronic Hazard<br><b>Fire:</b> 1- Slight<br><b>Reactivity:</b> 0 - Minimal<br><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           | 1-5   | 4719-04-4        | Not Established       | Not Established        | Not Established           | No                           |
| (2-hydroxyethyl)-s-triazine    | -     | -                | -                     | -                      | -                         | -                            |

### 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-<br>Conditions to Avoid: | <p><b>CAUSES SKIN IRRITATION:</b> Symptoms may include redness, pain and possible dermatitis.</p> <p><b>CAUSES EYE IRRITATION:</b> Symptoms may include pain, tearing and redness.</p> <p><b>HARMFUL IF SWALLOWED:</b> Symptoms may include stomach or intestinal upset.</p> <p><b>MAY CAUSE RESPIRATORY IRRITATION:</b> Symptoms may include irritation of nose, throat and airways. <u>Contains petroleum distillates.</u> Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. <u>Contains hexylene glycol</u> 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.</p> <p><b>Avoid contact with eyes, skin and clothing. Do not taste or swallow. Avoid breathing product mist. Wash thoroughly after handling.</b></p> |
| Conditions Aggravated by Use:                    | Preexisting skin; eye and respiratory conditions (such as asthma and asthma -like conditions)  |
| <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:  | Wash thoroughly with soap and water while removing contaminated clothing. 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<br>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): | Oil resistant gloves are recommended when handling undiluted concentrate. Protective gloves are recommended for individuals with sensitive skin when handling diluted product.  |
| 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. Keep out of reach of children.  |
| Other Precautions:               | California Proposition 65:<br>WARNING: This product contains the following chemical known to the State of California to cause cancer; birth defects or other reproductive harm: Ethylene oxide; CAS No. 75-21-8 |

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**MAXIM VHP**

Ref: 29 CFR 1910.1200 (OSHA)

Name: Ronald T. Cook

Effective Date: 12/17/2002

Changes: Update Sections I, II,V, VII, VIII, & IX

Title: Manager, Regulatory Affairs

Supercedes: 09/27/99

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