SAFETY DATA SHEET


1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>FUNCTIONAL V – 498</th>
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</thead>
<tbody>
<tr>
<td>CHEMICAL FAMILY</td>
<td>POLYMERIC HYDROCARBON IN MINERAL OIL</td>
</tr>
<tr>
<td>PRODUCT USE</td>
<td>TACKIFIER FOR FOOD GRADE LUBRICANTS</td>
</tr>
<tr>
<td>CAS REGISTRY NUMBER</td>
<td>MIXTURE</td>
</tr>
<tr>
<td>REVISION DATE</td>
<td>August 1, 2012</td>
</tr>
</tbody>
</table>

MANUFACTURER / SUPPLIER

FUNCTIONAL PRODUCTS INC.

8282 Bavaria Road
Macedonia, Ohio 44056, USA
Tel: 330-963-3060
Fax: 330-963-3322

2. HAZARDS IDENTIFICATION

EYES: Mildly irritating to eyes.

SKIN: Prolonged or repeated contact with skin may cause mild irritation and possible dermatitis.

INGESTION: Low toxicity on ingestion.

INHALATION: If heated, sprayed or misted, this product may cause chemical pneumonitis.

CARCINOGENICITY: Not listed as a carcinogen.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>SUBSTANCE/ PREPARATION</th>
<th>% (w/w)</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHITE MINERAL OIL</td>
<td>90 – 100</td>
<td>8042-47-5</td>
</tr>
<tr>
<td>POLYISOBUTYLENES</td>
<td>0 – 10</td>
<td>9003-27-4</td>
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</table>
4. **FIRST-AID MEASURES**

**INHALATION:** If inhaled, remove to fresh air. Get medical attention. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**INGESTION:** If affected person is conscious, give plenty of water to drink. Never give anything to drink to an unconscious person. Get medical attention if symptoms appear. Do not induce vomiting.

**SKIN CONTACT:** Wash with soap and water. Get medical attention if irritation develops.

**EYE CONTACT:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

5. **FIRE-FIGHTING MEASURES**

**FLASH POINT:** > 135º C / 275º F

**UPPER FLAMMABLE LIMIT:** Not determined.

**LOWER FLAMMABLE LIMIT:** Not determined.

**EXTINGUISHING MEDIA** In case of fire use water spray (fog), foam or dry chemicals.

**HAZARDOUS COMBUSTION PRODUCTS** Oxides of Carbon, Smoke and Fumes.

**FIRE-FIGHTING PROCEDURES** Recommended wearing self-contained breathing apparatus and full turnout gear.

6. **ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS** Personal Protective Equipment must be worn. Keep unnecessary personnel away.

**CLEAN UP METHODS** Spills should be contained, absorbed and containerized for disposal in accord with local, state and federal regulations. Prevent entry to sewers and water-way.

7. **HANDLING AND STORAGE**

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Keep container tightly closed, in cool, well ventilated area.

8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

**VENTILATION:** Use with adequate ventilation.

**HANDS:** Use chemical resistant, impervious gloves.

**EYES:** Use safety glasses, goggles or face mask.

**CLOTHING:** Long sleeve shirt is recommended.

**RESPIRATORY SYSTEM** Use appropriate respiratory protection.
9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
COLOR: Water White to Pale Yellow
ODOR: Mild petroleum odor.
DENSITY: 0.83 – 0.88 g / cm³ at 15 deg C (59 Deg F)
SOLUBILITY: Insoluble in water.
BOILING POINT: N / A
VAPOR PRESSURE: < 0.1
EVAPORATION RATE: < 1

10. STABILITY AND REACTIVITY

STABILITY: The product is stable.
INCOMPATIBILITY: Strong oxidants and reducing agents.
CONDITIONS TO AVOID: Not known.

11. TOXICOLOGICAL INFORMATION

SENSITIZATION: Based on current information, there is no known human sensitization associated with this product.
MUTAGENICITY: Experimental evidence suggests that this product do not cause mutagenesis.
CARCINOGENICITY Not classified or listed by IARC, NTP, OSHA, EU, and ACGIH.
TERATOGENICITY Based on best current information, there is no known teratogenicity associated with this product.
REPRODUCTIVE TOXICITY Based on best current information, there is no known reproductive toxicity associated with this product.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS Not available
FISH TOXICITY Not available
ALGAE TOXICITY Not available
BACTERIA TOXICITY Not available
13. **DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. **TRANSPORTATION INFORMATION**

- **U.S. DOT BULK**
  - Not regulated.
- **U.S. DOT NON-BULK**
  - Not regulated.
- **IMDG CODE**
  - Not regulated.
- **ICAO**
  - Not regulated.
- **ADR/RID HAZARD CLASS**
  - Not regulated.

15. **REGULATORY INFORMATION**

- **U.S.TSCA INVENTORY**
  - Yes
- **Other TSCA Reg.**
  - No
- **SARA EXT. HAZ. SUBS.**
  - No
- **SARA Section 313**
  - No
- **CERCLA**
  - No
- **CAL. PROP. 65**
  - No
- **JAPAN MITI**
  - All components are listed on MITI inventory.
- **AUSTRALIA**
  - All components are listed on AICS inventory.
- **EUROPE**
  - Petroleum oil is listed on EINECS inventory.
  - Polymers are exempt from EINECS inventory under the polymer exemption.
- **CHINA**
  - All components are listed on China’s inventory.
- **CANADA**
  - All components are listed on DSL inventory.
  - WHMIS – not controlled.
- **KOREA**
  - All components are in compliance in Korea.
- **NEW ZEALAND**
  - All components are listed on NZIoC inventory.
- **PHILIPPINES**
  - All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act Of 1990 (R.A. 6969).

16. **OTHER INFORMATION**

- **NFPA CODE**
  - Health: 1  Fire: 1  Reactivity: 0
- **HMIS CODE**
  - Health: 1  Fire: 1  Reactivity: 0

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