SAFETY DATA SHEET


Section 1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>FUNCTIONAL V – 498</th>
</tr>
</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>November 15, 2018</td>
</tr>
</tbody>
</table>

Manufacturer: Functional Products, Inc.
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Fax (USA): + 1 330-963-3322
E-mail: SDS@functionalproducts.com

European Supplier: Lumar Quimica S.L.U.
Milanesat, 25-27, 4t. 1a.
08017 Barcelona
Spain
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E-mail: lumar@lumarquimica.com

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Europe: + 34 93 594 75 00 (08:00 -13:00  14:00-17:00)
France (ORFILA): + 33 (0)1 45 42 59 59

Section 2: HAZARDS IDENTIFICATION


2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS Classification: Aspiration Hazard, Category 1
2.2 LABEL ELEMENTS
Globally Harmonized System, EU (GHS)

Signal Word
Danger

Hazard Statements
H301: Toxic if swallowed
H304: May be fatal if swallowed and enters airways
H332: Harmful if inhaled

Precautionary Statements
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331: Do NOT induce vomiting

Storage
P405: store locked up

Disposal
P501: Dispose of contents/container to approved waste disposal plant

Potential health effects
Primary routes of entry: Eye contact, ingestion, inhalation, skin contact
Aggravated medical condition: None known

2.3 OTHER ELEMENTS

Not classified as flammable but will burn. Repeated exposure may cause skin dryness or cracking. Used oil may contain harmful impurities.

Section 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>Polyisobutylene</td>
<td>0 – 10</td>
<td>9003-27-4</td>
</tr>
</tbody>
</table>
Section 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.

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.

Section 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.

Section 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.

Section 7: HANDLING AND STORAGE

Handling: Wash thoroughly after handling.
Storage: Keep container tightly closed, in cool, well-ventilated area.

Section 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

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Component</th>
<th>Cas #</th>
<th>Value type (Form of exposure)</th>
<th>Control Parameters/Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Mineral Oil</td>
<td>8042-47-5</td>
<td>TWA (mist)</td>
<td>5 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Inhalation fraction)</td>
<td>5 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (mist)</td>
<td>5 mg/ m³</td>
<td>OSHA P0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (mist)</td>
<td>5 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ST (mist)</td>
<td>10mg/m³</td>
<td>NIOSH REL</td>
</tr>
</tbody>
</table>

Section 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

Section 10: STABILITY AND REACTIVITY

Stability: The product is stable.
Incompatibility: Strong oxidants and reducing agents.
Conditions to Avoid: Not known

Section 11: TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE

Oral Toxicity: No data available.
Eye Irritation: No data available.
Skin Irritation: No data available.
Dermal Toxicity: No data available.
Inhalation Toxicity: No data available.

CHRONIC EXPOSURE

Chronic Toxicity: No data available.
Carcinogenicity: No data available.
Teratogenicity: No data available.
Reproductive Toxicity: No data available.

Section 12: ECOLOGICAL INFORMATION

Environmental Hazards: No data available
Environmental Fate: No data available
Fish Toxicity: No data available
Algae Toxicity: No data available
Bacteria Toxicity: No data available

Section 13: DISPOSAL CONSIDERATIONS

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

Section 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

Section 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: Listed - MITI
Australia: Listed - AICS
Europe: Listed - EINECS
          Polymers are exempt from EINECS inventory under the polymer exemption.
China Listed - IECSC
Canada Listed - DSL
          WHMIS – not controlled.
Korea Listed - KECI
New Zealand Listed - NZIoC
Philippines Listed - PICCS
Section 16: OTHER INFORMATION

| NFPA CODE   | Health: 1 | Fire: 1 | Reactivity: 0 |
| HMIS CODE   | Health: 1 | Fire: 1 | Reactivity: 0 |

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