SAFETY DATA SHEET


Section 1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>FUNCTIONAL V-460</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Family</td>
<td>Oil Solution of Hydrocarbon Polymer</td>
</tr>
<tr>
<td>Product Use</td>
<td>Viscosity Modifier</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
Tel: + 34 93 594 75 00
Fax: + 34 93 594 75 01
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
2.2 LABEL ELEMENTS
Globally Harmonized System, EU (GHS)

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>Petroleum Hydrocarbon</td>
<td>85 - 100</td>
<td>8042-47-5</td>
</tr>
<tr>
<td>Ethylene-Propylene Copolymer</td>
<td>5 – 15</td>
<td>9010-79-1</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: Immediately get medical attention. Do not induce vomiting. If vomiting occurs, keep head below hips to avoid breathing the products into the lungs.

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: > 150° C / 302° F
Upper Flammable Limit: Not determined.
Lower Flammable Limit: Not determined.
Extinguishing Media: In case of fire, use water, foam dry chemicals or CO2.
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. Ventilate area and avoid breathing vapor or mist.

Environmental Precautions and 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 waterway.

Section 7: HANDLING AND STORAGE

Handling: Avoid contact with eyes and skin, Wash thoroughly after handling. Avoid breathing vapor or dust. Keep away from heat, sparks and flames.

Storage: Keep container tightly closed, in cool, well-ventilated and dry area.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Use with adequate ventilation to control fumes.
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 if there is any potential for uncontrolled release or exposure levels are not known.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Viscous liquid
Color: Water white
Odor: Petroleum odor.
Specific Gravity: 0.86 (water=1).
Density: 7.16 LB/US gal (880 g/l)
Solubility: Insoluble in water.
Vapor Pressure: less than 0.1 mm Hg @ 68°F (20°C)

Section 10: STABILITY AND REACTIVITY

Stability: The product is stable.
Incompatibility: Strong oxidants.
Conditions To Avoid: Excessive temperature.
Hazardous Decomposition: CO, organic oxidation products.
Polymerization: Polymerization will not occur

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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