SAFETY DATA SHEET


Section 1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>FUNCTIONAL PD-630</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Family</td>
<td>Solution of alkyl methacrylate polymer in mineral oil</td>
</tr>
<tr>
<td>Product Use</td>
<td>Lubricant Additive</td>
</tr>
<tr>
<td>CAS Registry Number</td>
<td>Mixture</td>
</tr>
<tr>
<td>Revision Date</td>
<td>October 9th 2017</td>
</tr>
</tbody>
</table>

Manufacturer: Functional Products, Inc.
8282 Bavaria Road
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Fax (USA): +1 330-963-3322
E-mail: SDS@functionalproducts.com

European Supplier: Lumar Quimica S.L.U.
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08017 Barcelona
Spain
Tel: +34 93 594 75 00
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E-mail: lumar@lumarquimica.com

Emergency Phone Numbers:
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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

This material is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

According to Regulation (EC) N° 1272/2008 [CLP]
This is not a hazardous substance or mixture according Regulation (EC) No. 1272/2008. No need for classification according to GHS criteria for this product.
According to Directive 67/548/EEC or 1999/45/EC
This is not a hazardous substance of mixture according to EC-directives 67/548/EEC or 1999/45/EC.
This material has no known hazards, if the regulations/notes for storage and handling are considered and followed.

2.2 LABEL ELEMENTS

Globally Harmonized System, EU (GHS)
The product does not require a hazard warning label in accordance with GHS criteria.

According to Regulation (EC) No 1272/2008 [CLP]
The product does not require a hazard warning label in accordance with Regulation (EC) No. 1272/2008.

According to Directive 67/548/EEC or 1999/45/EC
European Economic Community (EEC) Directives
The product does not require a hazardous warning label in accordance with EEC Directives.

2.3 OTHER ELEMENTS

If it is applicable, information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

According to Regulation (EC) No. 1272/2008 [CLP]
This material has no known hazards

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>Mineral Oil</td>
<td>30-60</td>
<td>64741-88-4</td>
</tr>
<tr>
<td>Alkyl Methacrylate</td>
<td>40-70</td>
<td>25719-52-2</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

Extinguishing Media: Do not use direct water jets on fire, only to cool surrounding areas. Use carbon dioxide, foam or water spray; use means of used in spray to prevent entry to water courses. Dry chemical, foam or CO2 suggested media.

Fire-Fighting Procedures: Recommended wearing self-contained breathing apparatus and full turnout gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precaution: Personal Protective Equipment must be worn. Keep unnecessary personnel away.

Environmental Precautions And Clean Up Methods: Isolate spill area. Recover free product for reuse or recycle and/or disposal. Absorb with liquid binding material, sand, diatomite, saw dust. Prevent entry into sewers or waterways.

Section 7: HANDLING AND STORAGE

Handling: Keep away from heat, sparks and flames. Ensure good ventilation. Keep containers closed.

Storage: Keep container tightly closed, in cool, well-ventilated and dry area. Store away from sources of ignition.

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: colorless to amber colored liquid  
Odor: slightly fatty odor  
Specific Gravity @ 30 C: 0.90 typical  
Solubility: Insoluble in water.  
Viscosity @ 100C: 300 – 900 cSt  
Flash point (COC): 150 C (min)  
Auto ignition temp: > 200C  
Vapor press @ 15C: <1 MBAR  
Exposure limits: Not established

Section 10: STABILITY AND REACTIVITY

Stability: The product is stable.  
Incompatibility: None reasonably foreseeable.  
Conditions to Avoid: decomposition may occur after prolonged exposure to temperatures above 200 C.  
Hazardous Decomposition: Methacrylate monomers. Oil vapors if overheated.

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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