SAFETY DATA SHEET

According to REACH, Regulation (EC) N° 1907/2006 and amendments

Section 1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>FUNCTIONAL V – 191M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Family</td>
<td>Polymer Emulsion In Water</td>
</tr>
<tr>
<td>Product Use</td>
<td>Tackifier</td>
</tr>
<tr>
<td>CAS Registry Number</td>
<td>Mixture</td>
</tr>
<tr>
<td>Revision Date</td>
<td>June 16, 2015</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.
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08017 Barcelona
Spain
Tel: +34 93 594 75 00
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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 has no known hazards.

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 67/54//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>Polymer</td>
<td>0 - 80</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Ammonia</td>
<td>0 - 05</td>
<td>1336-21-6</td>
</tr>
<tr>
<td>Water</td>
<td>0 - 40</td>
<td>7732-18-5</td>
</tr>
<tr>
<td>Mineral Oil</td>
<td>0 - 20</td>
<td>64742-53-6</td>
</tr>
</tbody>
</table>

Section 4: FIRST-AID MEASURES

Inhalation: If inhaled, remove to fresh air. Provide oxygen if breathing is difficult. Seek medical attention.

Ingestion: Do not induce vomiting. Seek medical attention.

Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation occurs.
Section 5: FIRE-FIGHTING MEASURES

Flash Point: Non-flammable liquid
Upper Flammable Limit: Not determined.
Lower Flammable Limit: Not determined.
Extinguishing Media: Water with foam, CO2 or Dry Chemical
Fire Fighting Procedures: Wear full protective clothing. For respiratory protection, wear a full face self-contained breathing apparatus operated in positive pressure mode. Cool exposed containers, surrounding equipment and structures with water.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Personal Protective Equipment must be worn. Keep unnecessary personnel away.
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 drains, water courses or soil.

Section 7: HANDLING AND STORAGE

Handling: Wash thoroughly after handling.
Storage: Keep container tightly closed. Store in a cool, dry area. Keep from freezing and temperature extremes.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Use with adequate ventilation and/or appropriate respiratory protection.
Hands: Use chemical resistant, impervious gloves.
Eyes: Use safety glasses, goggles or face mask.
Clothing: Long sleeve shirt is recommended. Minimize skin contact.
Respiratory: Use respirator to prevent overexposure.
Occupational Exposure: There are no known hazardous components above regulatory thresholds in this product.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: Milky, white
Odor: Slight ammonia
Specific Gravity: 0.946
Solubility: Miscible in water
Boiling Point: Not established
Vapor Pressure: Not established

Section 10: STABILITY AND REACTIVITY

Stability: The product is stable.
Incompatibility: Acids, metal salts and solvents
Conditions to Avoid: Extremes of temperature and direct sunlight. Keep from freezing.
Hazardous Decomposition Products: Oxides of Carbon and Nitrogen, other hazardous materials and smoke.

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: Listed
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
Taiwan Listed - NECI
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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