

## SAFETY DATA SHEET

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

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### Section 1: PRODUCT AND COMPANY IDENTIFICATION

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Product Name	<b>FUNCTIONAL V-820</b>
Chemical Family	Bio-based Polymer
Product Use	Thixotropic Lubricant Additive
CAS Registry Number	Proprietary
Revision Date	March 1, 2017

Manufacturer: Functional Products, Inc.  
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### Section 2: HAZARDS IDENTIFICATION

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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) N° 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

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## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

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Substance/Preparation	%(w/w)	CAS #
Bio-based Polymer	99%	Proprietary

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## Section 4: FIRST-AID MEASURES

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Inhalation:	If dust is inhaled, obtain medical attention.
Ingestion:	No specific intervention is indicated, as compound is not likely to be hazardous by ingestion. Get medical attention if necessary.
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.

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**Section 5: FIRE-FIGHTING MEASURES**

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Specific Hazards: Not flammable but will burn. Combustion products may include carbon monoxide and carbon dioxide.  
Extinguishing Media: Water spray, foam, dry chemicals or CO<sub>2</sub>.  
Protective Equipment: Self-contained breathing apparatus and full turnout gear.

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**Section 6: ACCIDENTAL RELEASE MEASURES**

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Personal Precautions: Avoid generating dust.  
Environmental Precautions: None  
Clean Up Methods: Transfer to labeled, sealable container for subsequent recovery or disposal as required by local, state, federal, international or country specific regulations.  
Protective Measures: Wear appropriate PPE when responding to spills.  
Spill Management: Prevent entry into waterways, sewer or confined areas.

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**Section 7: HANDLING AND STORAGE**

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Handling: Avoid generation of dust. Take precautionary measures against static discharges, earth/ground all equipment. Do not breathe dust. Use local exhaust over processing area.  
Storage: Keep dry in a cool, well-ventilated area.

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**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

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Ventilation: Use with adequate ventilation.  
Nuisance Dust TLV: TWA (8 h) 10 mg/m<sup>3</sup> if dust is generated.  
Hands: Use chemical resistant, impervious gloves.  
Eyes: Use safety glasses, goggles or face mask.  
Clothing: Standard issue work clothes.  
Respiratory: Use appropriate respiratory protection if there is any potential for uncontrolled release or exposure levels are not known.

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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Physical State: Solid, Powder  
Color: White  
Odor: Odorless  
Flash Point: None  
Specific Gravity: 0.9  
Solubility: Soluble in water

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**Section 10: STABILITY AND REACTIVITY**

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Stability: The product is stable.  
Conditions to Avoid: Avoid contact with strong oxidizing agents. Avoid elevated temperatures in storage for prolonged periods of time.  
Hazardous Decomposition: CO, CO<sub>2</sub>.

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**Section 11: TOXICOLOGICAL INFORMATION**

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**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

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**Section 12: ECOLOGICAL INFORMATION**

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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

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**Section 13: DISPOSAL CONSIDERATIONS**

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

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**Section 14: TRANSPORTATION INFORMATION**

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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.

