

# SAFETY DATA SHEET

According to REACH, Commission Regulation (EU) 2015/830 of 28 May 2015

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**Section 1: PRODUCT AND COMPANY IDENTIFICATION**

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Product Name	<b>FUNCTIONAL V-4051F</b>
Chemical Family	Polymer Solution
Product Use	Grease Additive
CAS Registry Number	Mixture
June 15, 2017	August 12 <sup>th</sup> 2019

Manufacturer: Functional Products, Inc.  
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Macedonia, Ohio 44056, USA  
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E-mail: [SDS@functionalproducts.com](mailto:SDS@functionalproducts.com)

European Supplier: Lumar Quimica S.L.U.  
Milanesat, 25-27, 4t. 1a.  
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Spain  
Tel: + 34 93 594 75 00  
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Emergency Phone Numbers:  
United States: + 330-963-3060 (8:00AM-5:00PM EST)  
Europe + 34 93 594 75 00 (08:00 -13:00 14:00-17:00)  
France (ORFILA): + 33 (0)1 45 42 59 59

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**Section 2: HAZARDS IDENTIFICATION**

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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<sup>o</sup> 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 or 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 #
Alkyl Ester	50 - 90	68082-78-0
Copolymer	10 - 50	Proprietary

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## Section 4: FIRST-AID MEASURES

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Inhalation:	If inhaled, remove to fresh air. Get medical attention. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion:	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.

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**Section 5: FIRE-FIGHTING MEASURES**

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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.

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**Section 6: ACCIDENTAL RELEASE MEASURES**

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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 water-way.

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**Section 7: HANDLING AND STORAGE**

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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.

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

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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.

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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Physical State:	Liquid.
Color:	Amber yellow
Odor:	Mild fatty.
Specific Gravity:	0.88 (water=1).
Solubility:	Insoluble in water.
Vapor Pressure:	< 0.1 mm Hg @ 68°F (20°C).

Boiling Point: > 400°F (204°C).

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### Section 10: STABILITY AND REACTIVITY

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Stability:	The product is stable.
Incompatibility:	Strong alkali, strong oxidation or reducing agents.
Conditions To Avoid:	Excessive temperature.
Hazardous Decomposition:	Oxides of carbon.
Polymerization:	Polymerization will not occur.

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### Section 11: TOXICOLOGICAL INFORMATION

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Sensitization:	No data available
Mutagenicity:	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
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

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### Section 15: REGULATORY INFORMATION

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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

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## Section 16: OTHER INFORMATION

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

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