

FUNCTIONAL PRODUCTS INC.

Innovative Chemistry for Lubricants

SAFETY DATA SHEET

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

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	FUNCTIONAL V-188P2
Chemical Family	Hydrocarbon Polymer Solution
Product Use	Lubricant Additive
Cas Registry Number	Mixture
Revision Date	October 28 th 2020

Manufacturer: Functional Products, Inc.
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France (ORFILA): + 33 (0)1 45 42 59 59

Section 2: HAZARDS IDENTIFICATION

Signal Word: **DANGER**

Symbols:



Hazard Statements:

H304 - May be fatal if swallowed and enters airways

Response Precautionary Statements:

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Storage Precautionary Statements:

P405 - Store locked up.

Disposal Precautionary Statements:

P501 - Dispose of contents/container in accordance with local regulations.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance/ Preparation	% (W/W)	CAS #
Polyalphaolefin	90 - 92	68649-11-6
Ethylene-Propylene Copolymer	8 - 10	9010-79-1

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:	124° C / 255° 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 water-way.

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: Liquid.
Color: Colorless, Hazy.
Odor: Petroleum odor.
Specific Gravity: 0.80 – 0.81 (water=1).
Density: 6.7 – 6.75 LB/US gal.
Solubility: Insoluble in water.
Vapor Pressure: 1 mmHg @ 75°C (167 °F).
Boiling Point: 220°C (428°F).

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
Taiwan Listed - TCSI
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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