

# 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	<b>FUNCTIONAL DF-400</b>
Chemical Family	Silicones in Synthetic Oil
Product Use	Lubricant Defoamer
CAS Registry Number	Mixture
Revision Date	November 2 <sup>nd</sup> 2020

Manufacturer: Functional Products, Inc.  
8282 Bavaria Road  
Macedonia, Ohio 44056, USA  
Tel (USA): + 1 330-963-3060  
Fax (USA): + 1 330-963-3322  
E-mail: [SDS@functionalproducts.com](mailto:SDS@functionalproducts.com)

European Supplier: Lumar Quimica S.L.U.  
Milanesat, 25-27, 4t. 1a.  
08017 Barcelona  
Spain  
Tel: + 34 93 594 75 00  
Fax: + 34 93 594 75 01  
E-mail: [lumar@lumarquimica.com](mailto:lumar@lumarquimica.com)

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

---

### 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**


---

<b>Substance/ Preparation</b>	<b>% (w/w)</b>	<b>CAS #</b>
Polyalphaolefins	40 – 60	Proprietary
Synthetic Ester	40 – 60	Proprietary
Dimethylpolysiloxane ( $\geq 300$ cSt)	0 – 10	63148-62-9

---

**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**


---

Flash Point:	> 135° C / 275° F
Upper Flammable Limit:	Not determined.
Lower Flammable Limit:	Not determined.
Extinguishing Media:	In case of fire use water spray (fog), foam or dry chemicals.
Hazardous Combustion Products:	Oxides of carbon smoke and fumes.
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.

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 waterway.

---

**Section 7: HANDLING AND STORAGE**

---

Handling: Wash thoroughly after handling.

Storage: Keep container tightly closed, in cool, well-ventilated area.

---

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

---

Ventilation: Use with adequate ventilation.

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

---

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

---

Appearance: Liquid

Color: Pale Yellow

Odor: Fatty

Flash point: >135°C (275°F) COC

Density: 0.84 – 0.86 lb/gal

Solubility: Insoluble in water

Flammability: Low fire hazard. This material must be heated before ignition will occur.

Boiling Point: N / A

Vapor Pressure: < 0.1

Evaporation Rate: < 1

---

**Section 10: STABILITY AND REACTIVITY**

---

Stability: The product is stable.

Incompatibility: Strong oxidants and reducing agents.

Conditions to Avoid: Not known.

---

**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

The information presented herein has been compiled from sources considered to be dependable and are accurate to the best of FUNCTIONAL PRODUCTS INC. knowledge at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This safety data sheet contains information relating to safety only and does not replace any product information or product specification. Suggestions or applications are only opinions. Users are responsible for determining the suitability of this material for their own particular purpose. FUNCTIONAL PRODUCTS INC. makes no warranty whatsoever and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.