

## 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 HF-340</b>
Chemical Family	Lubricant Additives
Product Use	Ashless Hydraulic Fluid Package
CAS Registry Number	Mixture
Revision Date	March 23 <sup>rd</sup> 2023

Manufacturer: Functional Products, Inc.  
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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

Signal Word: **DANGER**



**Acute Aquatic Toxicity 2**  
**Chronic Aquatic Toxicity 2**  
**Skin Corrosion 1B**  
**Eye Damage 1**

**Hazard Statements:**

H314 - Causes severe skin burns and eye damage  
H318 - Causes serious eye damage  
H401 - Toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

**Prevention Precautionary Statements:**

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P273 - Avoid release to the environment.

**Response Precautionary Statements:**

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P363 - Wash contaminated clothing before reuse.  
P304+P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P391 - Collect spillage.

**Storage Precautionary Statements:**

P405 - Store locked up.

**Disposal Precautionary Statements:**

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

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**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

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<b>Substance/ Preparation</b>	<b>(% W/W)</b>	<b>CAS #</b>
Amine Phosphate	20 – 30	Proprietary
Phosphate Esters	20 – 30	Proprietary
Distillates, Petroleum, Light Hydrotreated	20 – 30	64742-47-8
Alkyl Hindered Phenol	5 – 20	Proprietary
Alkyl Diphenyl Amine	5 – 20	Proprietary
Alkyl Thiadiazole	1 – 5	Proprietary
Copolymers	1 – 5	Mixture

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**Section 4: FIRST-AID MEASURES**

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Inhalation: If inhaled, remove to fresh air. Seek medical attention.  
Ingestion: Seek medical attention. Never give anything to drink to an unconscious person.  
Skin Contact: Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation develops.

Eye Contact: In case of contact, immediately flush eyes with plenty of water and seek medical advice.

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## Section 5: FIRE-FIGHTING MEASURES

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Flash Point: 121° C / 250° F  
Upper Flammable Limit: Not determined.  
Lower Flammable Limit: Not determined.  
Extinguishing Media: In case of fire use Carbon dioxide (CO<sub>2</sub>) foam or dry chemicals.  
Hazardous Combustion: Oxides of carbon phosphorus and sulfur  
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.  
Environmental Precautions And Clean Up Methods: Spills should be contained, absorbed and containerized for disposal per local, state and federal regulations. Prevent entry to drains, sewers and water-ways.

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## Section 7: HANDLING AND STORAGE

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Handling: Wash thoroughly after handling.  
Storage: Keep container tightly closed, in cool well-ventilated area.

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## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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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. Avoid inhaling vapors.

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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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Physical State: Liquid  
Color: Orange  
Odor: Mild  
Density: 0.94 g / cm<sup>3</sup> at 20°C (68°F)  
Solubility: Insoluble in water.

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## Section 10: STABILITY AND REACTIVITY

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Stability: The product is stable.  
Incompatibility: Strong oxidants and reducing agents.

Conditions to Avoid: Not known

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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

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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

