

SAFETY DATA SHEETS

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

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	FUNCTIONAL GA-400
Chemical Family	Lubricant Additive
Product Use	NSF HX-1 Hydraulic/Gear Package
CAS Registry Number	Mixture
Revision Date	October 31 st 2019

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

This material has no known hazards. 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

GHS Hazards

Skin Sensitization: 1B
Skin Irritation: 2
Acute Aquatic Toxicity: 2
Chronic Aquatic Toxicity: 3



2.2 LABEL ELEMENTS

Signal Word

Warning

Hazard Statements

H315-Causes skin irritation

H317-May cause an allergic skin reaction

H401-Toxic to aquatic life

H412-Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention

P261 - Avoid breathing fumes/vapors.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

Disposal

P501 - Dispose of contents/container to an approved waste disposal plant.

2.3 OTHER ELEMENTS

This material has no additional known hazards

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Preparation	% (w/w)	CAS #	Hazard Classification
Organosulfur Derivative	40 – 50	Proprietary	
Aromatic Amines	20 – 40	Proprietary	Aquatic Acute Tox., Aquatic Chronic Tox.
Alkyl Amine Phosphates	5 – 15	Proprietary	Skin Irritation
Ester	5 – 15	Proprietary	
White Oil	1 – 9	8042-47-5	
Triazole Derivative	1 – 3	Proprietary	Skin Sensitization, Aquatic Acute Tox., Aquatic Chronic Tox.

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:	157° C / 315° 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, Phosphorus, Nitrogen, 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.
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-ways.

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	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:	Yellow to orange
Odor:	Mild amine
Density	1.00 – 1.02 g / cm ³ at 20 deg C (68 Deg F)
Solubility:	Insoluble in water.
Boiling Point:	No data available
Vapor Pressure:	No data available
Evaporation Rate:	No data available

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

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