

SAFETY DATA SHEET

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

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name	FUNCTIONAL DM-500
Chemical Family	Lubricant Additive
Product Use	Bio Demulsifier/Defoamer
CAS Registry Number	Mixture
Revision Date	November 15 th 2019

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

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

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

GHS Classification

Aspiration Toxicity: Category 1

GHS Label Elements**Signal Word: Danger****Hazard Statements**

H304 - May be fatal if swallowed and enters airways

Precautionary Statements

Prevention

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 - Do NOT induce vomiting.

Response

P405 - Store locked up.

Disposal

P501 – Dispose of contents/container in accordance with local / regional / national / international regulations.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Preparation	% (w/w)	CAS #	Hazard Classification
Silicone Polymer	5 – 15	Proprietary	None
Polyalkylene Glycols	1 – 10	Proprietary	None
Synthetic Esters	45 – 55	Proprietary	None
Light Hydrocarbons	20 – 30	Proprietary	Aspiration 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:	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. Do not induce vomiting.
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:	137 °C / 280°F (COC)
Extinguishing Media:	In case of fire use CO ₂ , foam or dry chemicals.
Hazardous Combustion Products:	Vapor may cause flash fire. Container may rupture on heating.
Fire Fighting Procedures:	Recommended to wear self-contained breathing apparatus and full protective 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. Do not flush into surface water, sanitary sewer or ground water system.

Section 7: HANDLING AND STORAGE

Handling:	Keep away from potential source of ignition. Wash thoroughly after handling. Open container in a well ventilated area. Avoid breathing vapors.
Storage:	Store in well ventilated areas in maximum 45°C / 113°F temperatures.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation:	Use with adequate ventilation.
Hands:	Use chemical resistant nitrile or neoprene gloves.
Eyes:	Use safety glasses, goggles or face mask.
Clothing:	Long sleeve shirt is recommended.
Respiratory:	Use appropriate respiratory protection if there is the potential for overexposure to fumes.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Orange
Odor:	Mild
Specific Gravity:	0.86 @ 20°C
Solubility:	Insoluble in water
Flash Point:	137 °C / 280°F (COC)

Section 10: STABILITY AND REACTIVITY

Stability:	The product is stable
Incompatibility:	Oxidizing agents
Conditions to Avoid:	High temperatures, spark, and open flames
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
ICAO/IATA (US)	Not Regulated
ICAO/IATA (International)	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
China	Listed - IECSC
Canada	Listed - DHL
	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.