

## SAFETY DATA SHEET

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

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### Section 1: PRODUCT AND COMPANY IDENTIFICATION

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Product Name	<b>FUNCTIONAL AW-487</b>
Chemical Family	Solution Of Carboxylate Salts In Water
Product Use	Antiwear Lubricant Additive
CAS Registry Number	Mixture
Revision Date	June 15, 2017

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

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#### GHS Label Elements



## GHS Classification

Eye Damage/ Eye Irritation: Category 2B. Skin Irritation: Category 2. Inhalation: Category 5  
Oral: Category 4

### Signal Word Warning

#### Hazard Statements

H320- Causes eye irritation. H315 - Causes skin irritation. H333 - May be harmful if inhaled.  
H302- Harmful if swallowed.

### Precautionary Statements

#### Prevention

P280- Wear protective gloves/protective clothing/eye protection.  
P264- Wash thoroughly after handling.

### Response

P305 + P351 + P338 – IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 – If eye irritation persists: Get medical advice/attention.

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water. P332 + P313 – If skin irritation occurs: get medical/attention.

### Disposal

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

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## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

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Substance/ Preparation	(% w/w)	CAS #
Water	60 - 90	7732-18-5
Organic Carboxylate Salts	10 - 40	Proprietary

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## Section 4: FIRST-AID MEASURES

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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.

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## Section 5: FIRE-FIGHTING MEASURES

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Flash Point:	Not Applicable – boils at 100°C
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.

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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 in accord with local, state and federal regulations. Prevent entry to sewers and water-way.

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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 if there is the potential for inhalation.

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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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Physical State:	Liquid
Color:	Clear
Odor:	Mild – No significant odor
Density:	1.10 g / cm <sup>3</sup> at 15 Deg C (59 Deg F)
Solubility:	Soluble in water.
Boiling Point:	100°C
Vapor Pressure:	< 0.1
Evaporation Rate:	< 1

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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	UN 3265, Corrosive Liquid, Acidic, Organic, NOS (caprylic acid) 8, PG III
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
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

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## Section 16: OTHER INFORMATION

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NFPA Code                                      Health: 1   Fire: 0   Reactivity: 0

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