SAFETY DATA SHEET

According to REACH, Regulation (EC) N° 1907/2006 and amendments

Section 1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Functional CI-498</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Family</td>
<td>Aqueous Solution of Phosphate Salt</td>
</tr>
<tr>
<td>Product Use</td>
<td>Corrosion Inhibitor</td>
</tr>
<tr>
<td>CAS Registry Number</td>
<td>Mixture</td>
</tr>
<tr>
<td>Revision Date</td>
<td>June 19, 2014</td>
</tr>
</tbody>
</table>

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

This material has no known hazards.
2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

According to Regulation (EC) No. 1272/2008 [CLP]

This is not a hazardous substance or mixture according Regulation (EC) No. 1272/2008. No need for classification according to GHS criteria for this product.

According to Directive 67/548/EEC or 1999/45/EC

This is not a hazardous substance of mixture according to EC-directives 67/548/EEC or 1999/45/EC. This material has no known hazards, if the regulations/notes for storage and handling are considered and followed.

2.2 LABEL ELEMENTS

Globally Harmonized System, EU (GHS)

The product does not require a hazard warning label in accordance with GHS criteria.

According to Regulation (EC) No. 1272/2008 [CLP]

The product does not require a hazard warning label in accordance with Regulation (EC) No. 1272/2008.

According to Directive 67/548/EEC or 1999/45/EC

European Economic Community (EEC) Directives

The product does not require a hazardous warning label in accordance with EEC Directives.

2.3 OTHER ELEMENTS

If it is applicable, information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

According to Regulation (EC) No. 1272/2008 [CLP]

This material has no known hazards

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

<table>
<thead>
<tr>
<th>Substance/Preparation</th>
<th>% (w/w)</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphate</td>
<td>10-25</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Water</td>
<td>75-90</td>
<td>7732-18-5</td>
</tr>
</tbody>
</table>
**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:** Non-flammable liquid
- **Upper Flammable Limit:** Not determined
- **Lower Flammable Limit:** Not determined
- **Extinguishing Media:** N/A
- **Fire-Fighting Procedures:** N/A

**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 swept up for salvage or 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:** Avoid freezing or boiling temperatures.

**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 sleeved shirt is recommended.
- **Respiratory System:** Use mask to prevent inhalation when handling.
- **Occupational Exposure Limits:** No exposure limits have been established.
Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: Clear (Colorless)
Odor: None
Specific Gravity: 1.1
Solubility: Soluble in water
Boiling Point: N/A
Vapor Pressure: N/A
Evaporation Rate: N/A

Section 10: STABILITY AND REACTIVITY

Stability: The product is stable.
Incompatibility: None
Conditions to Avoid: None
Hazardous Decomposition Products: None

Section 11: TOXICOLOGICAL INFORMATION

Oral Toxicity: No data available
Eye Effects: No data available
Skin Irritation: No data available
Dermal Toxicity: No data available
Inhalation Toxicity: No data available

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
Freshwater: No data available
Bacteria Toxicity: No data available
Fish Toxicity: No data available
Algae 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 13: 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 - DHL

WHMIS – not controlled.
Korea Listed - KECl
New Zealand Listed - NZIoC
Philippines Listed – PICCS

Section 16: OTHER INFORMATION

NFPA Code: Health: 1 Fire: 0 Reactivity: 0
HMIS Code: Health: 1 Fire: 0 Reactivity: 0

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