SAFETY DATA SHEET


1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>FUNCTIONAL CI-426</th>
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</thead>
<tbody>
<tr>
<td>CHEMICAL FAMILY</td>
<td>Amine phosphates</td>
</tr>
<tr>
<td>PRODUCT USE</td>
<td>Corrosion inhibitor \ anti-wear additive</td>
</tr>
<tr>
<td>CAS REGISTRY NUMBER</td>
<td>Proprietary</td>
</tr>
<tr>
<td>REVISION DATE</td>
<td>January 5, 2011</td>
</tr>
</tbody>
</table>

MANUFACTURER / SUPPLIER: FUNCTIONAL PRODUCTS INC.
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Macedonia, Ohio 44056, USA
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2. HAZARD IDENTIFICATION

MARINE ENVIRONMENT: Toxic to Aquatic Organisms
EYES:                    Irritating to eyes.
SKIN:                    Irritating to skin. Prolonged or repeated contact may cause dermitis.
INGESTION:               Irritating to the esophagus.
INHALATION:              May be irritating to the mucous membrane with prolonged exposure.
CARCINOGENICITY:         Not listed as a carcinogen.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>SUBSTANCE/ PREPARATION</th>
<th>% (w/w)</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>C11-14 BRANCHED ALKYL AMINES, MONOHEXYL AND DIHEXYL PHOSPHATE</td>
<td>100</td>
<td>80939-62-4</td>
</tr>
</tbody>
</table>
4. **FIRST-AID MEASURES**

**INHALATION:** Remove to fresh air. In case of irritation to the respiratory system or mucous membranes, get medical attention. In case of prolonged exposure, get medical attention.

**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.

5. **FIRE-FIGHTING MEASURES**

**FLASH POINT:** > 80º C / 176º 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, nitrogen and phosphorus. Smoke and fumes.

**FIRE-FIGHTING PROCEDURES:** Recommended to wear self-contained breathing apparatus and full protective gear.

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.

7. **HANDLING AND STORAGE**

**HANDLING:** Wash thoroughly after handling.

**STORAGE:** Keep container tightly closed, in cool, well ventilated area.
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 SYSTEM:** Use appropriate respiratory protection if there is the potential for overexposure to fumes.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid
**COLOR:** Yellow-amber
**ODOR:** Amine-like.
**DENSITY:** 0.92 g / cm$^3$ at 15°C (59 °F)
**SOLUBILITY:** Insoluble in water.
**BOILING POINT:** N / A
**VAPOR PRESSURE:** < 0.1
**EVAPORATION RATE:** < 1

10. **STABILITY AND REACTIVITY**

**STABILITY:** The product is stable.
**INCOMPATIBILITY:** Strong acids, bases, oxidants and reducing agents.
**CONDITIONS TO AVOID:** Not known.

11. **TOXICOLOGICAL INFORMATION**

**SENSITIZATION:** Based on current information, there is no known human sensitization associated with this product.
**MUTAGENICITY:** Experimental evidence suggests that this product does not cause mutagenesis.
**CARCINOGENICITY** Not classified or listed by IARC, NTP, OSHA, EU, and ACGIH.
**TERATOGENICITY** Based on best current information, there is no known teratogenicity associated with this product.
**REPRODUCTIVE TOXICITY** Based on best current information, there is no known reproductive toxicity associated with this product.

12. **ECOLOGICAL INFORMATION**

**ENVIRONMENTAL HAZARDS** Not available
**FISH TOXICITY** Not available
**ALGAE TOXICITY** Not available
**BACTERIA TOXICITY** Not available

13. **DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL** Waste must be disposed of in accordance with federal, state and local environmental control regulations.
14. TRANSPORTATION INFORMATION

U.S. DOT BULK: Not regulated.
ICAO: Class: 9
UN No.: 3082
Packing Group: III
Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.
Additional Information: (Amine Phosphate)

ADR/RID HAZARD CLASS: Class 9

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: All components are listed on MITI inventory.
AUSTRALIA: All components are in compliance with chemical notification requirements in Australia.
EUROPE: Petroleum oil is listed on EINECS inventory. Polymers are exempt from EINECS inventory under the polymer exemption.
CHINA: All components are listed on China’s inventory.
CANADA: All components are listed on DSL inventory.
KOREA: All components are in compliance in Korea.
PHILIPPINES: All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act Of 1990 (R.A. 6969).

16. OTHER INFORMATION

NFPA CODE: Health: 2  Fire: 1  Reactivity: 0

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