SAFETY DATA SHEET

According to REACH Title IV, Annex II and Format ISO 11014 PIB – and also with:

1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>PRODUCT NAME</th>
<th>FUNCTIONAL HF-560</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMICAL FAMILY</td>
<td>MIXTURE</td>
</tr>
<tr>
<td>PRODUCT USE</td>
<td>Hydraulic Fluid Additive for Biodegradable Base Oils</td>
</tr>
<tr>
<td>CAS REGISTRY NUMBER</td>
<td>MIXTURE</td>
</tr>
<tr>
<td>REVISION DATE</td>
<td>July 12, 2012</td>
</tr>
</tbody>
</table>

MANUFACTURER / SUPPLIER  FUNCTIONAL PRODUCTS INC.
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Macedonia, Ohio 44056, USA
Tel: 330-963-3060  Fax: 330-963-3322

2. HAZARDS IDENTIFICATION

EYES: This product is an eye irritant.

SKIN: May be irritating to the skin. Prolonged or repeated contact with skin may cause mild irritation and possible dermatitis.

INGESTION: May be harmful if swallowed.

INHALATION: Harmful if aspirated into the lungs – do not induce vomiting.

CARCINOGENICITY: Not listed as a carcinogenic.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>SUBSTANCE/ PREPARATION</th>
<th>(% w/w)</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALKYLPHENOLS</td>
<td>30 – 60</td>
<td>PROPRIETARY</td>
</tr>
<tr>
<td>ALKYL DIPHENYL AMINE</td>
<td>10 – 30</td>
<td>PROPRIETARY</td>
</tr>
<tr>
<td>ALKYL TRIAZOLE</td>
<td>0 – 10</td>
<td>PROPRIETARY</td>
</tr>
<tr>
<td>AMINE PHOSPHATE</td>
<td>5 – 15</td>
<td>PROPRIETARY</td>
</tr>
<tr>
<td>MINERAL OIL</td>
<td>0 – 10</td>
<td>PROPRIETARY</td>
</tr>
<tr>
<td>REFINED CANOLA OIL</td>
<td>0 – 10</td>
<td>120962-03-0</td>
</tr>
</tbody>
</table>

- 1 -
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.

5. FIRE-FIGHTING MEASURES

FLASH POINT: Approximately 112°F / 234°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 and nitrogen; smoke and fumes.

FIRE-FIGHTING PROCEDURES: Recommended wearing self-contained breathing apparatus and full turnout 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. Prevent entry to sewers and water-way.

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

9. **PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid
COLOR: Amber
ODOR: Sweet odor.
DENSITY: 0.96 g / cm3 at 15 deg C (59 Deg 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 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: This product is classified as a ‘Marine Pollutant’.
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  Description/Proper Shipping Name
Environmentally Hazardous Substances, Liquid, N.O.S. (Alkylphenols)

U.S. DOT Hazard Class:  9
U.S. DOT ID Number:  UN3082
U.S. DOT Packing Group  III

LAND & AIR TRANSPORT  No regulation as long as shipping volume does not exceed 119 gallons. If volume exceeds 119 gallons, the material must be labeled as a Class 9 Hazardous Material and must be handled by a trained individual.

MARINE TRANSPORT  This substance is a marine pollutant and any quantity (including trace amounts) shipped overseas must be labeled as a Class 9 Hazardous Material and must be handled by a trained individual.

15. REGULATORY INFORMATION

U.S. TSCA INVENTORY  Yes
SARA EXT. HAZ. SUBS.  No
SARA Section 311/312  Health: immediate (acute)
                      Health: Delayed (chronic)
SARA Section 313  This product contains a toxic chemical for routine annual toxic chemical release reporting under Section 313 (40 CFR 40 372). Chemical name: diphenylamine
Common name: diphenylamine  CAS Number: 122-39-4
% in Composition: 0-0.2

CERCLA  No
JAPAN MITI  All components are listed on MITI inventory.
AUSTRALIA  All components are listed on AICS inventory.
EUROPE  All components are listed on EINECS inventory.
CANADA  All components are listed on DSL inventory.
KOREA  All components are listed on ECI inventory.
CHINA  All components are listed on China’s inventory
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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