Material Safety Data Sheet
Phoenix 27-XL Water Dispersible Pipe Joint Lubricant  Date of Preparation: April 2012; updated June 2012

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Phoenix 27-XL Water Dispersible Pipe Joint Lubricant
Chemical Formula: 11-4
Manufacturer: JTM Products, Inc., 31025 Carter Street, Solon, OH 44139, Phone (440) 287-2302, FAX (440) 287-3095 (CHEM-TEL 24-hour emergency: (800) 255-3924)

Section 2 - Composition / Information on Ingredients

Proprietary blend of non-hazardous ingredients

Section 3 - Hazards Identification

Emergency Overview

Potential Health Effects
Primary Entry Routes: Not Hazardous
Carcinogenicity: IARC, NTP, and OSHA do not list the ingredients in Phoenix 27-XL Water Dispersible Pipe Joint Lubricant as carcinogens.

Section 4 - First Aid Measures

Eye Contact: Flush with copious volumes of water for 15 minutes while holding eyelids open.
Skin Contact: Wash with water. *If irritation persists, call a physician.*
Ingestion: If swallowed do not induce vomiting. Drink plenty of water and call a physician immediately

Section 5 - Fire-Fighting Measures

Flash Point: >220 °F (>104 °C) LEL: NA
Flash Point Method: NA, contains water UEL: NA
Autoignition Temperature: NA Flammability Classification: 0
Extinguishing Media: Water, water fog, alcohol foam, carbon dioxide or dry chemical are all suitable.
Unusual Fire or Explosion Hazards: None
Hazardous Combustion Products: None
Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.
Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

Section 6 - Accidental Release Measures

Spill/Leak Procedures: This product is a biodegradable soap.
Containment: For large spills, dike far ahead of spill for later disposal.
Cleanup: Place the bulk of any spilled material into drums, then rinse any remaining material to sewage treatment facility, in accordance with any applicable regulations.
Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: No special precautions are required.
Storage Requirements: No special precautions are required.
Regulatory Requirements: No known regulatory requirement for handling and storage.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:
Ventilation: Provide general or local exhaust ventilation systems.
Administrative Controls:
Respiratory Protection: If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.
### Phoenix 27-XL Water Dispersible Pipe Joint Lubricant

**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### Section 9 - Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Paste</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>off-white paste, bland odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>NA</td>
</tr>
<tr>
<td>Formula Weight</td>
<td>NA (blend)</td>
</tr>
<tr>
<td>Density</td>
<td>~10.0 lbs./gal.</td>
</tr>
<tr>
<td>Specific Gravity (H_2O=1, at 4 °C)</td>
<td>1.2</td>
</tr>
<tr>
<td>pH ( @ 5% solution )</td>
<td>~9.0</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>completely water dispersible</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt;220 °F</td>
</tr>
<tr>
<td>Freezing/Melting Point</td>
<td>&lt;32 °F</td>
</tr>
<tr>
<td>Viscosity</td>
<td>viscous paste</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>unknown</td>
</tr>
<tr>
<td>Surface Tension</td>
<td>unknown</td>
</tr>
<tr>
<td>% Volatile</td>
<td>&lt; 33</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>NA</td>
</tr>
</tbody>
</table>

### Section 10 - Stability and Reactivity

**Stability:** Phoenix 27-XL Water Dispersible Pipe Joint Lubricant is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization will not occur.

**Chemical Incompatibilities:**

**Conditions to Avoid:** Avoid contact with strong oxidizing agents.

**Hazardous Decomposition Products:** Thermal oxidative decomposition of Phoenix 27-XL Water Dispersible Pipe Joint Lubricant can produce oxides of carbon and nitrogen.

### Section 11- Toxicological Information

**Toxicity Data:**

**Eye Effects:** Eye irritant [based on blended ingredients].

**Skin Effects:** Slight skin irritant if allowed to remain in contact.

### Section 12 - Ecological Information

**Ecotoxicity:** Environmental Fate

**Environmental Transport:** Unknown.

**Environmental Degradation:** Soaps are well known to be biodegradable.

**Soil Absorption/Mobility:** Unknown.

### Section 13 - Disposal Considerations

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

### Section 14 - Transport Information

**Not hazardous under DOT regulations.**

### Section 15 - Regulatory Information

**EPA Regulations:** OSHA... None; TSCA ... All ingredients appear on inventory; CERCLA: not subject to the reporting requirements of CERCLA; SARA: not applicable; CLEAN WATER ACT: Contains Sodium Hydroxide, section 311 material

**INTERNATIONAL REGULATIONS...** None

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) ...** none

### Section 16 - Other Information

**Prepared By:** D. Barrer

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