1. IDENTIFICATION

GHS Product Identifier
Product Name Phoenix 713-A Pipe Joint Lubricant (subaqueous)

Other Means of Identification
SDS # 713-A
Chemical Formula 2013-2
Other Information

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Lubricant

Details of the Supplier of the Safety Data Sheet
Supplier Address JTM Products, Inc.
31025 Carter Street
Solon, OH 44139
Tel. 440-287-2302
800-229-6744
Fax. 440-287-3095

Emergency Telephone Number
Emergency Telephone Chemtel 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification
This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

GHS classification
Hazard categories:
Skin Irritant 3
Eye irritation: Eye Irritant 2B

Label elements
Signal word: Warning
Phoenix 713-A Pipe Joint Lubricant (subaqueous)  Revision Date: 5-April-2017

Hazard statements
H316 Causes mild skin irritation.
H320 Causes eye irritation.

Precautionary statements
P264 Material is water insoluble. Wipe material from skin and wash thoroughly after handling.
P280 Wear protective gloves, protective clothing, eye protection/face protection.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P305 + P351 + P338 IF IN EYES: Material is water insoluble. Wipe from eye and rinse cautiously with water for several minutes.
P337 + P313 If eye irritation persists: Get medical advice/attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Components

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>68187-71-3 and 67701-23-9 EINECS 271-723-9 266-942-1</td>
<td>Mixed calcium and magnesium salts of vegetable oils (soap)</td>
<td>30-40%</td>
</tr>
</tbody>
</table>

Where range is displayed, the exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

Inhalation  Move to fresh air. If symptoms persist, call a physician

Eye contact Material is water insoluble. Wipe from eye, then rinse cautiously with water for several minutes. If eye irritation persists, get medical attention/advice.

Ingestion  Do NOT induce vomiting. Drink plenty of water. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately

Skin Contact Material is water insoluble. Wipe material from skin, than wash off immediately with soap and water. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms  Direct contact with eyes may cause temporary irritation. Prolonged or repeated skin contact may cause irritation.
**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians** Treat symptomatically.

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### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

**Specific Hazards Arising from the Chemical**
No information available.

**Hazardous Combustion Products**
- Sensitivity to Mechanical Impact: None
- Sensitivity to Static Discharge: None

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

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### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions**
Avoid contact with the skin and the eyes. Evacuate personnel to safe areas. Use personal protective equipment. Keep people away from and upwind of spill/leak.

**Environmental Precautions**
Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological information.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment**
Dike to collect large liquid spills. Prevent leakage or spillage if safe to do so.

**Methods for Cleaning Up**
Dam up. Place the bulk of any spilled material into properly labeled containers. Rinse any remaining material to sewage treatment facility. Clean up in accordance with all applicable regulations.

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### 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Handling**
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. Ensure adequate ventilation. Use only in area provided with appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not take internally.
Conditions for Safe Storage, Including any Incompatibilities

Storage  Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children.

Incompatible Materials  Strong oxidizing agents. Strong bases

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

Engineering Controls  Eyewash stations  Showers  Ventilation systems.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection  Wear approved safety goggles.

Skin and Body Protection  Lightweight protective clothing. Chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Respiratory Protection  No special protective equipment required. If respirators are used, OSHA requires a written respiratory program that includes at least: medical certification training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

General Hygiene Considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

Control Parameters  N.A.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Paste</td>
</tr>
<tr>
<td>Appearance</td>
<td>Viscous Paste</td>
</tr>
<tr>
<td>Color</td>
<td>Light Grey</td>
</tr>
<tr>
<td>Odor</td>
<td>Bland</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH</td>
<td>not determined</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>&lt; 0 °C/ &lt; 32 °F</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>&gt; 104 °C/ &gt; 220 °F</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 104 °C/ &gt; 220 °F</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined</td>
</tr>
</tbody>
</table>
Upper Flammability Limits  Not applicable  
Lower Flammability Limits  Not applicable  
Vapor Pressure  Not applicable  
Vapor Density  Not applicable  
Specific Gravity  1.30  
Water Solubility  Not soluble in water  
Solubility in other Solvents  Not determined  
Partition Coefficient  Not determined  
Autoignition Temperature  Not determined  
Decomposition Temperature  Not determined  
Kinematic Viscosity  400,000 cPs  
Dynamic Viscosity  Not determined  
Explosive Properties  None  
Oxidizing Properties  None  

Other Information  
VOC Content (%)  <1%  

10. STABILITY AND REACTIVITY  

Reactivity  
Not reactive under normal conditions  

Chemical Stability  
Stable under recommended storage conditions  

Possibility of Hazardous Reactions  
None under normal processing  

Conditions to Avoid  
Contact with incompatible material  

Incompatible Materials  
Strong oxidizing agents  

Hazardous Decomposition Products  
Carbon oxides  

11. TOXICOLOGICAL INFORMATION  

Information on Likely Route of Exposure  

Product Information  

Inhalation  Not likely  
Eye Contact  Causes irritation  
Skin Contact  May cause mild irritation on skin contact  
Ingestion  Do not taste or swallow  
Symptoms  Direct contact with eyes causes irritation. Prolonged or repeated contact may dry skin and cause irritation  

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Carcinogenicity
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

Numerical Measures of Toxicity – Product
No data available

Ecotoxicity
The environmental impact of this product has not been fully investigated

12. ECOLOGICAL INFORMATION

Persistence and Degradability
No information available.

Mobility
Not Determined.

Other Adverse Effects
Not Determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods
Disposal of Wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations. Contact your supplier or a licensed contractor for detailed recommendations.

Contaminated Packaging
Do not re-use empty containers. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT
Not regulated

IATA
Not regulated

IMDG
Not regulated

15. REGULATORY INFORMATION

International Inventories
TSCA
All ingredients appear on inventory

DSL/NDSL
All components of this product are listed or are exempt

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
/not available (N.A.)

ENCs – Japan Existing and New Chemical Substances/not available (N.A.)

IECSC – China Inventory of Existing Chemical Substances/not available (N.A.)

KECL – Korean Existing and Evaluated Chemical Substances/not available (N.A.)

PICCS – Philippines Inventory of Chemicals and Chemical Substances/not available (N.A.)
Phoenix 713 - A Pipe Joint Lubricant  (subaqueous)  
Revision Date: 5-April-2017

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS – Japan Existing and New Chemical Substances
IE CSC – China Inventory of Existing Chemical Substances
KECL – Korean Existing and Evaluated Chemical Substances
PICCS – Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
Acute Health Hazard  Yes
Chronic Health Hazard  No
Fire Hazard  No
Sudden Release of Pressure Hazard  No
Reactive Hazard  No

CWA (Clean Water Act)
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42): None known

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302): None Known

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations: None Known

U.S. EPA Label Information
EPA Pesticide Registration Number: Not Applicable

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
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<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Issuance Date  24-July-2014
Revision Date  5-April-2017
Revision Note  Reclassified as hazardous
Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet