MATERIAL SAFETY DATA SHEET
(For Printing Ink and Related Materials)

Date: February 9, 2018

SECTION I

MANUFACTURED BY: Graphic Chemical & Ink Company
P.O. Box 7027
728 North Yale
Villa Park, IL 60181

EMERGENCY PHONE: 800-535-5053

PRODUCT CLASS: Pine Resin
TRADE NAME: Graphic Lump Rosin
MANUFACTURERS CODE: 11910,11915

SECTION II - HAZARDOUS INGREDIENTS

SECTION III - PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Range:</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>Heavier than air</td>
</tr>
<tr>
<td>Liquid Density:</td>
<td>Percent Volatile Wt:</td>
</tr>
<tr>
<td>Appearance:</td>
<td>Dark Tan Powder</td>
</tr>
</tbody>
</table>

SECTION IV - FIRE & EXPLOSION DATA

Flash Point Category:          |
Lowest Flash Point: 400 Degrees F
LEL:                           |

Extinguishing Media: CO2, Dry Chemical, Water Fog

Special Fire Fighting Procedure: None

Unusual Fire & Explosion Hazards: None
SECTION V - HEALTH HAZARD DATA

Threshold Limit Value: Unknown

Effects of Overexposure: Irritation of eyes & nose.

Emergency First Aid:
Thoroughly wash with soap & water. For eye irritation, flush eyes with clean water. Remove to clean air if respiratory distress occurs.

SECTION VI - REACTIVITY DATA

Product Stability: Stable

Conditions to Avoid: Strong oxidizing materials.

SECTION VII - SPILL OR LEAK PROCEDURES

Procedure when material is spilled or released:
In clean area, sweep and package for reuse. In contaminated area, sweep and dispose.

Waste disposal method:
Incinerate or landfill according to local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust.

Protective Equipment (Respiratory, Eye, Etc.):
Dust mask, safety goggles, impervious gloves.

SECTION IX - SPECIAL PRECAUTIONS

Storage & Handling: Store in cool, dry area away from oxidizing agents.

SECTION X - DISCLOSURE

Disclosure Information:
The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein.