PIPE SAVER
Material Safety Data Sheet

SECTION I - COMPANY IDENTIFICATION

PRODUCT: PIPE SAVER
CAT. NO.: PS1, PS5, PS30, PS55

MANUFACTURED BY: Virginia KMP Corporation
4100 Platinum Way
Dallas, Texas 75237

SECTION II - HAZARDOUS INGREDIENTS

OSHA Hazardous Components (29 CFR 1910.1200)
EXPOSURE LIMITS: 8 HR. TWA
OSHA PEL
ACGIH TLV

Propylene glycol (CAS# 57-55-6) NE NE

SECTION III - HAZARDS IDENTIFICATIONS

EMERGENCY OVERVIEW: CAUTION! Skin and eye irritant. Harmful if swallowed.

POTENTIAL HEALTH EFFECTS:

INHALATION: Vapors cause irritation.

EYE CONTACT: Eye irritation develops immediately upon contact. May aggravate pre-existing skin disorders.

SKIN CONTACT: Skin irritation develops slowly after contact. May lead to anesthesia, convulsing.

INGESTION: Slightly toxic. May lead to anesthesia, convulsing.

CHRONIC Effects:

NOTE:

CARCINOGENICITY: LISTED IN NTP? No IARC? No OSHA Regulated? No

SECTION IV - FIRST AID MEASURES

INHALATION: Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give oxygen if breathing is labored. Get emergency medical help. Contact a physician immediately.
EYE CONTACT: Flush eyes with water for 15 minutes. Get medical attention if symptoms develop and persist.
SKIN CONTACT: Flush with water or soap and water for 15 minutes or until all traces have been removed. Seek medical attention if symptoms develop and persist.
INGESTION: Do not induce vomiting. Rinse mouth out with water. Get immediate medical attention.

SECTION V - FIRE FIGHTING MEASURES

FLASHPOINT (TEST METHOD): None - Aqueous solution.
FLAMMABLE LIMITS: LOWER: NA UPPER: NA
AUTOIGNITION TEMPERATURE: NA

GENERAL HAZARD: Approach fire from upwind side. Avoid breathing smoke, fumes, mist, or vapors on the downwind side.

FIRE FIGHTING INSTRUCTIONS: Firefighters wear protective clothing and self contained breathing apparatus. If stored in drums: Containers may rupture from internal pressure if confined to fire area. Cool with water. Get non-emergency personnel out of the area.

EXTINGUISHING MEDIA: Use alcohol foam.

HAZARDOUS COMBUSTION PRODUCTS:

SECTION VI - ACCIDENTAL RELEASE MEASURES

LAND SPILL: Emergency response coordinator must have mandated training. Eliminate all ignition sources. SMALL SPILLS: Pick up with absorbent materials and place in non-leaking containers; seal tightly for proper disposal or reuse. LARGE SPILLS: Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels.

WATER SPILL: Notify proper authorities.

Clean up leaks/spills immediately to prevent soil or water contamination.

SECTION VII - HANDLING AND STORAGE

HANDLING: Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown in section IV. Launder contaminated clothing before reuse.

STORAGE: Store away from oxidizers.
PIPE SAVER

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation is recommended.
PERSONAL PROTECTION: Respirator and gloves are not needed under normal conditions of use. Use chemical goggles or full face shield. Use boots, aprons, drench showers, eye wash as needed for protection against spills and/or splashes.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure</td>
<td>ND</td>
</tr>
<tr>
<td>Specific Gravity (H2O=1)</td>
<td>1.1</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Complete</td>
</tr>
<tr>
<td>pH</td>
<td>9 - 10</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Above 212 F</td>
</tr>
<tr>
<td>Appearance &amp; Odor</td>
<td>Blue liquid, bland odor</td>
</tr>
</tbody>
</table>

SECTION X - STABILITY AND REACTIVITY

STABILITY: Stable.
CONDITIONS TO AVOID: None known.
MATERIALS TO AVOID: Oxidizers, acids.
HAZARDOUS DECOMPOSITION PRODUCTS: From combustion: Acrid smoke, irritating fumes, CO, CO2.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Compound</th>
<th>LD50 (mg/kg)</th>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>20</td>
<td>Oral</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>22</td>
<td>Oral</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>79</td>
<td>Oral</td>
<td>CNS, BRN</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oral</td>
<td>chd</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oral</td>
<td>rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Oral</td>
<td>mouse</td>
</tr>
</tbody>
</table>

SECTION XII - ECOLOGICAL INFORMATION

Not established.

SECTION XIII - DISPOSAL CONSIDERATIONS

Dispose as hazardous waste. Classification and documentation is required before disposal. Follow all local, state and federal regulations.

SECTION XIV - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Not regulated.
HAZARD CLASS: NA
IDENTIFICATION NUMBER: NA
DOT Emergency Guide #: NA
Reportable Quantity (RQ): NA
International: NA

SECTION XV - REGULATORY INFORMATION

TSCA (Toxic Substance Control Act): Components of this product are listed on the TSCA Inventory.
CERCLA (Comprehensive Environmental Response, Compensation and Liability Act): Not listed.
SARA TITLE III (Superfund Amendments and Reauthorization Act): Not listed.
CALIFORNIA PROPOSITION 65: Not listed.

SECTION XVI - OTHER INFORMATION

NFPA Ratings
- Health: 1
- Flammability: 0
- Reactivity: 0
HMIS Protective Equipment: X See your supervisor

Prepared by: Virginia KMP Corporation  revised: 11/16/2012
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