1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: CHEMLOK EP2906-27A
Product Use/Class: POLYMER

LORD Corporation
111 LORD Drive
Cary, NC 27511-7923

Telephone: 814 868-0924
Non-Transportation Emergency: 814 763-2345
Chemtrec 24 Hr Transportation Emergency No.
800 424-9300 (Outside Continental U.S. 703 527-3887)

LORD Industrial LTDA.
Rua Hugson, 55 - Distrito Industrial
13213-110 - Jundiai/SP/Brasil

Telephone: 55 - 011 2136-7755

Telephone Emergency Response of the Pro-Chemistry - ABIQUIM
0800-118270 (Toll Free 24 Hours)

EFFECTIVE DATE: 07/09/2014

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:
Acute toxicity Oral Category 4
Acute toxicity Inhalation - Dust and Mist Category 4
Acute toxicity Inhalation - Vapours Category 4
Skin corrosion/irritation  Category 2
Serious eye damage/eye irritation  Category 2A
Germ cell mutagenicity Category 2A
Carcinogenicity Category 1A
Specific target organ systemic toxicity (repeated exposure) Category 2  Kidney

GHS LABEL ELEMENTS:
Symbol(s)

Signal Word
DANGER

Hazard Statements
Harmful if swallowed.
Harmful if inhaled.
Causes skin irritation.
Precautionary Statements

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/eye protection/face protection.
Use personal protective equipment as required.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.

Response

Call a POISON CENTER or doctor/physician if you feel unwell.
Specific treatment (see supplemental first aid instructions on this label).
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Rinse mouth.
Take off contaminated clothing and wash before reuse.

Storage

Store locked up.

Disposal:
Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

Other Hazards:
This product contains component(s) which have the following warnings; however based on the GHS classification criteria of your country or locale, the product mixture may be outside the respective category(s).

Acute: Harmful if absorbed through skin. May cause respiratory tract irritation.
Chronic: Prolonged or repeated contact may result in dermatitis. May cause skin sensitization. IARC and NTP have determined that there is sufficient evidence of carcinogenicity to "Untreated and mildly treated oils" in both humans and animals. Repeated application of some mildly hydrotreated oils to the skin of mice induced a moderate incidence of skin tumors. A National Cancer Institute (NCI) report identified QDO as an "animal positive" carcinogen. IARC downgraded this conclusion by identifying QDO as only an "animal suspected" carcinogen.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Weight % Less Than</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum process oil</td>
<td>64742-52-5</td>
<td>50.0 %</td>
</tr>
<tr>
<td>P-Nitrosophenol</td>
<td>104-91-6</td>
<td>5.0 %</td>
</tr>
<tr>
<td>P-Quinone dioxime</td>
<td>105-11-3</td>
<td>50.0 %</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES
FIRST AID - EYE CONTACT: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

FIRST AID - SKIN CONTACT: Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

FIRST AID - INHALATION: Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

SPECIFIC HAZARDS POSSIBLY ARISING FROM THE CHEMICAL: Keep containers tightly closed. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). Water spray may be ineffective. If water is used, fog nozzles are preferable.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: Use self-contained breathing equipment. Avoid breathing vapors. Avoid contact.

ENVIRONMENTAL PRECAUTIONS: Do not contaminate bodies of water, waterways, or ditches, with chemical or used container.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Notify appropriate authorities if necessary. Contain and remove with inert absorbent material. Avoid contact. Keep non-essential personnel away from spill area. Before attempting cleanup, refer to hazard caution information in other sections of the MSDS form.

7. HANDLING AND STORAGE

HANDLING: Keep closure tight and container upright to prevent leakage. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Do not weld or flame-cut an empty drum. Use with adequate ventilation.

STORAGE: Store only in well-ventilated areas. Keep from freezing. Keep container closed when not in use.

INCOMPATIBILITY: Strong acids, bases, and strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMIT

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum process oil</td>
<td>64742-52-5</td>
<td>Not Established</td>
</tr>
<tr>
<td>P-Nitrosophenol</td>
<td>104-91-6</td>
<td>Not Established</td>
</tr>
<tr>
<td>P-Quinone dioxime</td>
<td>105-11-3</td>
<td>Not Established</td>
</tr>
</tbody>
</table>
ENGINEERING CONTROLS: Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits.

PERSONAL PROTECTION MEASURES/EQUIPMENT:
RESPIRATORY PROTECTION: Respiratory protection is not required under normal working conditions where adequate ventilation is present.

SKIN PROTECTION: Use neoprene, nitrile, or rubber gloves to prevent skin contact.

EYE PROTECTION: Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

OTHER PROTECTIVE EQUIPMENT: Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODOR</td>
<td>No</td>
</tr>
<tr>
<td>APPEARANCE</td>
<td>Tan</td>
</tr>
<tr>
<td>PHYSICAL STATE</td>
<td>Liquid</td>
</tr>
<tr>
<td>FLASH POINT</td>
<td>201 °F, 93 °C Setafflash Closed Cup</td>
</tr>
<tr>
<td>BOILING RANGE</td>
<td>N.A.</td>
</tr>
<tr>
<td>AUTOIGNITION TEMPERATURE</td>
<td>N.D.</td>
</tr>
<tr>
<td>DECOMPOSITION TEMPERATURE</td>
<td>N.D.</td>
</tr>
<tr>
<td>ODOR THRESHOLD</td>
<td>N.D.</td>
</tr>
<tr>
<td>SOLUBILITY IN H2O</td>
<td>Insoluble</td>
</tr>
<tr>
<td>pH</td>
<td>N.A.</td>
</tr>
<tr>
<td>FREEZE POINT</td>
<td>N.D.</td>
</tr>
<tr>
<td>COEFFICIENT OF WATER/OIL</td>
<td>N.D.</td>
</tr>
<tr>
<td>VAPOR PRESSURE</td>
<td>N.D.</td>
</tr>
<tr>
<td>VAPOR DENSITY</td>
<td>Heavier than Air</td>
</tr>
<tr>
<td>LOWER EXPLOSIVE LIMIT</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>UPPER EXPLOSIVE LIMIT</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>EVAPORATION RATE</td>
<td>Slower than n-butyl-acetate</td>
</tr>
<tr>
<td>DENSITY</td>
<td>1.09 g/cm³</td>
</tr>
<tr>
<td>VISCOSITY, DYNAMIC</td>
<td>N.D.</td>
</tr>
<tr>
<td>VISCOSITY, KINEMATIC</td>
<td>N.D.</td>
</tr>
<tr>
<td>VOLATILE BY WEIGHT</td>
<td>0.30 %</td>
</tr>
<tr>
<td>VOLATILE BY VOLUME</td>
<td>0.33 %</td>
</tr>
<tr>
<td>VOC CALCULATED</td>
<td>0 lb/gal, 0 g/l</td>
</tr>
</tbody>
</table>

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

### 10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

STABILITY: Product is stable under normal storage conditions.

CONDITIONS TO AVOID: High temperatures.

INCOMPATIBILITY: Strong acids, bases, and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide

### 11. TOXICOLOGICAL INFORMATION
EXPOSURE PATH: Refer to section 2 of this SDS.

SYMPTOMS: Refer to section 2 of this SDS.

TOXICITY MEASURES:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50/LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum process oil</td>
<td>Oral LD50: Rat &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Dermal LD50: Rabbit &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Inhalation LC50: Rat &gt; 5 mg/l/4 h</td>
</tr>
<tr>
<td>P-Nitrosophenol</td>
<td>N.D.</td>
</tr>
<tr>
<td>P-Quinone dioxime</td>
<td>Oral LD50: Rat 464 mg/kg</td>
</tr>
<tr>
<td></td>
<td>GHS LC50 (vapour): rat 55 mg/l</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Ecotoxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum process oil</td>
<td>Fish: Oncorhynchus mykiss &gt; 5,000 mg/l96 h</td>
</tr>
<tr>
<td></td>
<td>Invertebrates: Daphnia magna &gt; 1,000 mg/l48 h</td>
</tr>
<tr>
<td>P-Nitrosophenol</td>
<td>N.D.</td>
</tr>
<tr>
<td>P-Quinone dioxime</td>
<td>N.D.</td>
</tr>
</tbody>
</table>

PERSISTENCE AND DEGRADABILITY: Not determined for this product.

BIOACCUMULATIVE: Not determined for this product.

MOBILITY IN SOIL: Not determined for this product.

OTHER ADVERSE EFFECTS: Not determined for this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of contents/container in accordance with waste/disposal laws and regulations of your country or particular locality.

14. TRANSPORT INFORMATION

This product is NOT REGULATED for non-bulk IATA Cargo or IMDG shipments. For the most accurate shipping information, refer to your transportation/compliance department regarding changes in package size, mode of shipment or other regulatory descriptors for your country or particular locality.

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS: AS FOLLOWS -

USA TOXIC SUBSTANCES CONTROL ACT:
The chemical substances in this product are on the TSCA Section 8 Inventory.
16. OTHER INFORMATION

Effective Date: 07/09/2014

DISCLAIMER

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.