



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012  
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PREPARED BY: EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **LIQUID CIRKET II**

PRODUCT CODE: 118443

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

|             |     |                               |        |
|-------------|-----|-------------------------------|--------|
| Health:     | 3/3 | Fire:                         | 0/0    |
| Reactivity: | 0/0 | Special/Protective Equipment: | CORR/C |

|                           |  |  |
|---------------------------|--|--|
| NAME OF THE MANUFACTURER: | Rochester Midland Corporation<br>155 Paragon Drive<br>Rochester, New York 14624<br>USA | Emergency Phone:<br>INFOTRAC: 1-800-535-5053<br>OUTSIDE US: 1-352-323-3500 |
|---------------------------|--|--|

### 2. HAZARDS IDENTIFICATION

#### EFFECTS FROM ACUTE EXPOSURE:

|                          |  |
|--------------------------|--|
| INGESTION:               | Causes burns of the mouth, throat and stomach.   |
| SKIN CONTACT:            | Causes severe skin irritation with tissue destruction.   |
| INHALATION:              | Causes irritation of the mouth, nose, and throat. Causes lung irritation.                      |
| EYE CONTACT:             | Corrosive. Causes eye burns. Causes severe eye irritation. Will damage tissue.                 |
| CHRONIC EFFECTS:         | None known.  |
| EFFECTS/CARCINOGENICITY: | None listed under OSHA, IARC, or NTP.  |
| ROUTES OF ENTRY:         | Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| PRODUCT COMPOSITION<br>CAS#          | %          | ACGIH TLV      | OSHA PELs      |
|--------------------------------------|------------|----------------|----------------|
| Sodium tripolyphosphate<br>7758-29-4 | 5.0 - 10.0 | Not applicable | Not applicable |
| POTASSIUM HYDROXIDE<br>1310-58-3     | 10.0-30.0  | Not applicable | Not applicable |
| Sodium hypochlorite<br>7681-52-9     | 1 - 3      | Not applicable | Not applicable |
| Potassium silicate<br>1312-76-1      | 1.0 - 10.0 | Not applicable | Not applicable |

### 4. FIRST AID MEASURES

|                     |  |
|---------------------|--|
| INGESTION:          | DO NOT INDUCE VOMITING. Rinse mouth. Get immediate medical attention.  |
| SKIN:               | Flush skin with large amounts of water. If irritation persists, get medical attention. Get medical attention. Remove contaminated clothing and launder before reuse. |
| INHALATION:         | If inhaled, move victim to fresh air and seek medical attention.   |
| EYES:               | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.                            |
| NOTES TO PHYSICIAN: | Probable mucosal damage may contraindicate gastric lavage.   |

## LIQUID CIRKET II

### 5. FIRE AND EXPLOSION HAZARD DATA

|  |  |                      |
|--|--|----------------------|
| FLASH POINT:                           | (F): None to boiling   | (C): None to boiling |
| METHOD:                                | TCC  |                      |
| FLAMMABLE LIMITS IN AIR                |  |                      |
| LOWER (%):                             | No data  |                      |
| UPPER (%):                             | No data  |                      |
| SENSITIVITY TO MECHANICAL IMPACT(Y/N): | NO   |                      |
| SENSITIVITY TO STATIC DISCHARGE:       | Sensitivity to static discharge is not expected.                               |                      |
| SUITABLE EXTINGUISHING MEDIA:          | As appropriate for surrounding fire-product is mostly water and will not burn. |                      |
| FIRE FIGHTING PROCEDURES:              | Non-combustible material.  |                      |

### 6. ACCIDENTAL RELEASE MEASURES

|                            |  |
|----------------------------|--|
| <b>SPILL PROCEDURES:</b>   |  |
| SMALL SPILLS:              | Pick up with absorbant material.   |
| LARGE SPILLS:              | Dike to contain, reclaim all possible. Reclaim as much as possible. Shovel or sweep up residue and place in suitable containers. |
| PERSONAL PRECAUTIONS:      | Not applicable   |
| ENVIRONMENTAL PRECAUTIONS: | Not applicable   |
| METHODS FOR CLEANING UP:   | Not applicable   |

### 7. HANDLING AND STORAGE

|  |   |
|--|---|
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: | Danger: Corrosive. Avoid contact with eyes, skin and clothing. Use only in a well ventilated area. Keep container closed when not in use. Wash thoroughly after handling. |
| OTHER PRECAUTIONS:                               | No other spill procedures necessary.  |
| SPECIFIC USE(S):                                 | Not applicable.   |

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                                      |  |
|--------------------------------------|--|
| PROTECTIVE EQUIPMENT:                |                               |
| EXPOSURE CONTROLS:                   | Use in a well ventilated area.   |
| RESPIRATORY PROTECTION:              | Cartridge respirator. Firefighting; use a Positive Pressure Demand Full Face Self Contained Breathing Apparatus. |
| PROTECTIVE GLOVES:                   | Butyl rubber. Neoprene. Nitrile gloves. PVC. Rubber gloves.  |
| EYE PROTECTION:                      | Goggles. Face shield.  |
| OTHER PERSONAL PROTECTION EQUIPMENT: | Eyewash fountains and safety showers must be easily accessible.  |
| VENTILATION:                         | General mechanical and/or local exhaust as needed if mist or vapors cause irritation.                            |

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                        |  |                    |
|------------------------|--|--------------------|
| APPEARANCE AND ODOR:   | Clear. Light yellow liquid. Chlorine odor. |                    |
| BOILING POINT (F):     | Not determined                             | (C) Not determined |
| VAPOR PRESSURE:        | Not determined                             |                    |
| VAPOR DENSITY (AIR=1): | Not determined                             |                    |
| SOLUBILITY IN WATER:   | Complete                                   |                    |
| SPECIFIC GRAVITY:      | 1.222 - 1.262                              |                    |
| VOC Content (%):       | Not determined                             |                    |
| EVAPORATION RATE:      | Not determined                             |                    |
| PH:                    | Not Determined                             |                    |

## LIQUID CIRKET II

### 9. PHYSICAL AND CHEMICAL PROPERTIES

### 10. STABILITY AND REACTIVITY

**STABILITY DATA:** STABLE  
**POLYMERIZATION:** Will Not Occur.  
**HAZARDOUS DECOMPOSITION:** Toxic fumes.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong acids and oxidizers. Organic matter.  
**CONDITIONS/HAZARDS TO AVOID:** Freezing conditions.

### 11. TOXICOLOGICAL INFORMATION

**ACUTE TOXICITY:** Not Established  
**EFFECTS OF CHRONIC EXPOSURE:** Not established.  
**OTHER TOXIC EFFECTS:** Not established.

### 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** No data at this time  
**CHEMICAL FATE INFORMATION:** No data at this time.  
**MOBILITY:** Not applicable.  
**PERSISTENCE/DEGRADABILITY:** Not applicable  
**BIOACCUMULATIVE POTENTIAL:** Not applicable  
**OTHER ADVERSE EFFECTS:** Not applicable

### 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHODS:** Dispose in accordance with Federal, State and Local regulations.

### 14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

### 15. REGULATORY INFORMATION

| PRODUCT COMPOSITION<br>CAS#          | %          | TSCA:      | EINECS: | Canada DSL: | CA PROP 65: |
|--------------------------------------|------------|------------|---------|-------------|-------------|
| Sodium tripolyphosphate<br>7758-29-4 | 5.0 - 10.0 | Not Listed | Listed  | Not Listed  | Not Listed  |
| POTASSIUM HYDROXIDE<br>1310-58-3     | 10.0-30.0  | Listed     | Listed  | Listed      | Not Listed  |
| Sodium hypochlorite<br>7681-52-9     | 1 - 3      | Listed     | Listed  | Listed      | Not Listed  |
| Potassium silicate<br>1312-76-1      | 1.0 - 10.0 | Not Listed | Listed  | Not Listed  | Not Listed  |

| PRODUCT COMPOSITION<br>CAS#          | %          | CERCLA:           | SARA 302:  | SARA 313:  |
|--------------------------------------|------------|-------------------|------------|------------|
| Sodium tripolyphosphate<br>7758-29-4 | 5.0 - 10.0 | Not Listed        | Not Listed | Not Listed |
| POTASSIUM HYDROXIDE<br>1310-58-3     | 10.0-30.0  | 1000 lb<br>454 kg | Not Listed | Not Listed |
| Sodium hypochlorite<br>7681-52-9     | 1 - 3      | 100 lb<br>45.4 kg | Not Listed | Not Listed |
| Potassium silicate<br>1312-76-1      | 1.0 - 10.0 | Not Listed        | Not Listed | Not Listed |

## LIQUID CIRKET II

| PRODUCT COMPOSITION<br>CAS#      | %         | Canada WHMIS: |
|----------------------------------|-----------|---------------|
| POTASSIUM HYDROXIDE<br>1310-58-3 | 10.0-30.0 | Listed        |
| Sodium hypochlorite<br>7681-52-9 | 1 - 3     | Listed        |

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

| PRODUCT COMPOSITION<br>CAS#          | %          | MARTK: |
|--------------------------------------|------------|--------|
| Sodium tripolyphosphate<br>7758-29-4 | 5.0 - 10.0 | Listed |
| POTASSIUM HYDROXIDE<br>1310-58-3     | 10.0-30.0  | Listed |
| Sodium hypochlorite<br>7681-52-9     | 1 - 3      | Listed |

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

| PRODUCT COMPOSITION<br>CAS#      | %         | NJRTK: |
|----------------------------------|-----------|--------|
| POTASSIUM HYDROXIDE<br>1310-58-3 | 10.0-30.0 | Listed |
| Sodium hypochlorite<br>7681-52-9 | 1 - 3     | Listed |

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

| PRODUCT COMPOSITION<br>CAS#          | %          | PARTK: |
|--------------------------------------|------------|--------|
| Sodium tripolyphosphate<br>7758-29-4 | 5.0 - 10.0 | Listed |
| POTASSIUM HYDROXIDE<br>1310-58-3     | 10.0-30.0  | Listed |
| Sodium hypochlorite<br>7681-52-9     | 1 - 3      | Listed |

## 16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

\*\*\* END OF MSDS \*\*\*