MATERIAL SAFETY DATA SHEET

REVISION DATE:	10/28/2008	**REVISION NUMBER:**	2
DATE PRINTED:	11/11/2008	**PREPARED BY:**	EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **LIQUID CIRKET 300 HD**

PRODUCT CODE: 118369

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

Health:	3/3	**Fire:**	0/0
Reactivity:	1/1	**Special/Protective Equipment:**	CORR/C

NAME OF THE MANUFACTURER:
Rochester Midland Corporation
333 Hollenbeck Street
Rochester, New York 14621

Information: 585-336-2200
Emergency Phone:
INFOTRAC: 1-800-535-5053
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: Irritating to respiratory tract in high concentrations.
EYE CONTACT: Corrosive. Causes eye burns. May cause permanent eye damage.
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 CAS#	%	ACGIH TLV	OSHA PELs
SODIUM HYDROXIDE 1310-73-2	10.0-30.0	NA	2 mg/m^3
Sodium hypochlorite 7681-52-9	1.0-5.0	NA	NA

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Get immediate medical attention. Rinse mouth.
SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes.
INHALATION: Move person to fresh air.
EYES: Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.
NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate gastric lavage.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): UNKNOWN **(C):** NA
METHOD: None

FLAMMABLE LIMITS IN AIR

- LOWER (%): None
- UPPER (%): None

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: None required; however, when fighting chemical fires, self-contained breathing apparatus and protective clothing is recommended.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:
SMALL SPILLS: Pick up with absorbant material.
LARGE SPILLS: Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

PERSONAL PRECAUTIONS: NA
ENVIRONMENTAL PRECAUTIONS: NA
METHODS FOR CLEANING UP: NA

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Danger: Corrosive. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing.
OTHER PRECAUTIONS: No other spill procedures necessary.
SPECIFIC USE(S): NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:

EXPOSURE CONTROLS: Use in a well ventilated area.
RESPIRATORY PROTECTION: Wear self-contained breathing apparatus.
PROTECTIVE GLOVES: Neoprene. Nitrile gloves. PVC. Rubber gloves. Butyl rubber.
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: Yellow liquid. Chlorine odor.
BOILING POINT (F): 216 F / 102 C **(C)** NA
VAPOR PRESSURE: 10.6 mm Hg
VAPOR DENSITY (AIR=1): 9.59 lb/gal, 9.58 lb/gal
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.15
VOV Content (%): NE
PH: 13.0 (100%)

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Hydrochloric Acid. Chlorine gas.

10. STABILITY AND REACTIVITY

INCOMPATIBILITY (MATERIALS TO AVOID): Contact with acids. Contact with aluminum
CONDITIONS/HAZARDS TO AVOID: Extreme heat, direct sunlight.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NE
EFFECTS OF CHRONIC EXPOSURE: NE
OTHER TOXIC EFFECTS: NE

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time.
MOBILITY: NA
PERSISTENCE/DEGRADABILITY: NA
BIOACCUMULATIVE POTENTIAL: NA
OTHER ADVERSE EFFECTS: NA

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 CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
SODIUM HYDROXIDE 1310-73-2	10.0-30.0	Listed	Listed	Listed	Not Listed
Sodium hypochlorite 7681-52-9	1.0-5.0	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
SODIUM HYDROXIDE 1310-73-2	10.0-30.0	1000 lb 454 kg	Not Listed	Not Listed
Sodium hypochlorite 7681-52-9	1.0-5.0	100 lb 45.4 kg	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
SODIUM HYDROXIDE 1310-73-2	10.0-30.0	Listed
Sodium hypochlorite 7681-52-9	1.0-5.0	Listed

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

PRODUCT COMPOSITION CAS#	%	MARTK:
SODIUM HYDROXIDE 1310-73-2	10.0-30.0	Listed
Sodium hypochlorite 7681-52-9	1.0-5.0	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 CAS#	%	NJRTK:
SODIUM HYDROXIDE 1310-73-2	10.0-30.0	Listed
Sodium hypochlorite 7681-52-9	1.0-5.0	Listed

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

PRODUCT COMPOSITION CAS#	%	PARTK:
SODIUM HYDROXIDE 1310-73-2	10.0-30.0	Listed
Sodium hypochlorite 7681-52-9	1.0-5.0	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 *****