



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/13/2012  
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REVISION NUMBER: 8  
PREPARED BY: EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

**PRODUCT NAME:** F-130 PLUS, Chlorinated Low Foam Cleaner

**PRODUCT CODE:** 101790

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

<b>Health:</b>	3/3	<b>Fire:</b>	0/0
<b>Reactivity:</b>	1/1	<b>Special/Protective Equipment:</b>	ALK/C

<b>NAME OF THE MANUFACTURER:</b>	Rochester Midland Corporation 155 Paragon Drive Rochester, New York 14624 USA	<b>Emergency Phone:</b> INFOTRAC: 1-800-535-5053 <b>OUTSIDE US:</b> 1-352-323-3500
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### 2. HAZARDS IDENTIFICATION

#### EFFECTS FROM ACUTE EXPOSURE:

<b>INGESTION:</b>	Causes burns of the mouth, throat and stomach.
<b>SKIN CONTACT:</b>	Causes moderate skin irritation. Prolonged contact causes severe burns which may not be immediately painful or visible.
<b>INHALATION:</b>	Inhalation of mist will irritate mucous membranes. Inhalation of mist may cause damage to nasal and respiratory passages.
<b>EYE CONTACT:</b>	Causes severe eye burns. May cause permanent eye damage. May cause blindness.
<b>CHRONIC EFFECTS:</b>	Dermatitis. Possible respiratory damage from inhalation of dust or mist.
<b>EFFECTS/CARCINOGENICITY:</b>	None listed under OSHA, IARC, or NTP.
<b>ROUTES OF ENTRY:</b>	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 hypochlorite 7681-52-9	1.5 max.	Not applicable	Not applicable
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	Not applicable	Not applicable

### 4. FIRST AID MEASURES

<b>INGESTION:</b>	Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
<b>SKIN:</b>	Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Continue rinsing until "slippery" feeling is gone. Get medical attention if irritation or burns develop.
<b>INHALATION:</b>	If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
<b>EYES:</b>	Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.
<b>NOTES TO PHYSICIAN:</b>	None.

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## 5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	(F): None to boiling	(C): None to boiling
METHOD:	None	
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 for surrounding fire. Product will not burn.	
FIRE FIGHTING PROCEDURES:	Corrosive material. Avoid exposure to mist and splashes. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.	

## 6. ACCIDENTAL RELEASE MEASURES

<b>SPILL PROCEDURES:</b>	
<b>SMALL SPILLS:</b>	Mop up all possible. Rinse down drain.
<b>LARGE SPILLS:</b>	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.
<b>PERSONAL PRECAUTIONS:</b>	Not applicable
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Not applicable
<b>METHODS FOR CLEANING UP:</b>	Not applicable

## 7. HANDLING AND STORAGE

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:</b>	Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store only in original container and keep closed. Contents may develop pressure upon prolonged storage; loosen closure cautiously before opening. Mix only with water.
<b>OTHER PRECAUTIONS:</b>	Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Contact with certain food sugars can release hazardous amounts of carbon monoxide gas in enclosed vessels. Read and follow label instructions.
<b>SPECIFIC USE(S):</b>	Not applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT:



<b>EXPOSURE CONTROLS:</b>	Use in a well ventilated area.
<b>RESPIRATORY PROTECTION:</b>	Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.
<b>PROTECTIVE GLOVES:</b>	Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.
<b>EYE PROTECTION:</b>	Goggles and face shield are recommended to minimize eye contact.
<b>OTHER PERSONAL PROTECTION EQUIPMENT:</b>	Appropriate protective clothing as needed to prevent skin contact. Liquid may penetrate leather shoes and cause delayed burns. Eyewash fountains and safety showers must be easily accessible. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.
<b>VENTILATION:</b>	General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. Corrosion resistant equipment recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR:</b>	Clear yellow liquid. Slight chlorine odor.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F):	Not determined	(C) Not determined
VAPOR PRESSURE:	Not determined	
VAPOR DENSITY (AIR=1):	Not determined	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	1.15 - 1.17	
VOC Content (%):	Not determined	
EVAPORATION RATE:	Not determined	
PH:	Alkaline	

## 10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Oxygen. Chlorines. Various inorganic chlorine compounds.
INCOMPATIBILITY (MATERIALS TO AVOID):	Mix only with water. Contact with acids and acid-containing cleaners, such as rust removers, vinegar, and toilet bowl cleaners may generate hazardous gases, such as chlorine, along with heat. Interaction with ammonia-containing materials may liberate ammonia gas or chloramine derivatives of ammonia.
CONDITIONS/HAZARDS TO AVOID:	None.

## 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 CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Sodium hypochlorite 7681-52-9	1.5 max.	Listed	Listed	Listed	Not Listed
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	Listed	Listed	Listed	Not Listed

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PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Sodium hypochlorite 7681-52-9	1.5 max.	100 lb 45.4 kg	Not Listed	Not Listed
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	1000 lb 454 kg	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Sodium hypochlorite 7681-52-9	1.5 max.	Listed
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	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 hypochlorite 7681-52-9	1.5 max.	Listed
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	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 hypochlorite 7681-52-9	1.5 max.	Listed
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	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 hypochlorite 7681-52-9	1.5 max.	Listed
POTASSIUM HYDROXIDE 1310-58-3	1 - 5	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 \*\*\***