



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012
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REVISION NUMBER: 7
 PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **LIFEGARD® 830F, High Foaming Chlorinated Alkaline Cleaner**

PRODUCT CODE: 117703

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

Health:	2/2	Fire:	0/0
Reactivity:	1/1	Special/Protective Equipment:	ALK/B

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

EFFECTS FROM ACUTE EXPOSURE:

INGESTION:	Severe burns to mucous membranes of mouth, throat and digestive tract.
SKIN CONTACT:	Causes moderate skin irritation. Prolonged contact causes severe burns which may not be immediately painful or visible.
INHALATION:	Causes mild respiratory irritation.
EYE CONTACT:	Causes severe eye irritation. Corrosive to eye tissue and may cause severe damage and blindness.
CHRONIC EFFECTS:	Dermatitis. Respiratory irritation.
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 metasilicate 6834-92-0	less than 1	Not applicable	Not applicable
Sodium hypochlorite 7681-52-9	2.5 max.	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION:	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.
SKIN:	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.
INHALATION:	Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.
EYES:	In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

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4. FIRST AID MEASURES

NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): None (C): Not determined
METHOD: None

FLAMMABLE LIMITS IN AIR
LOWER (%): NA
UPPER (%): NA

SENSITIVITY TO MECHANICAL IMPACT(Y/N): NO
SENSITIVITY TO STATIC DISCHARGE: Sensitivity to static discharge is not expected.
SUITABLE EXTINGUISHING MEDIA: Water. Carbon dioxide.
FIRE FIGHTING PROCEDURES: 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

SPILL PROCEDURES:

SMALL SPILLS: Pick up with absorbant material. Flush with water.
LARGE SPILLS: Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

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: Caution: Alkaline liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store in a cool, dry area.
Keep container closed when not in use. Use only in a well ventilated area. Contents may develop pressure upon prolonged storage; loosen closure cautiously before opening. Mix only with water. Follow label directions carefully.
Do not reuse container.

OTHER PRECAUTIONS: Keep out of reach of children.
SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: Eyewash stations. Showers.
RESPIRATORY PROTECTION: None normally required.
PROTECTIVE GLOVES: Rubber or plastic gloves recommended to minimize skin contact.
EYE PROTECTION: Goggles.
OTHER PERSONAL PROTECTION EQUIPMENT: Rubber boots. Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible.
VENTILATION: General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear pale yellow liquid. Slight chlorine odor.

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9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F):	As water	(C) Not determined
VAPOR PRESSURE:	As water	
VAPOR DENSITY (AIR=1):	As water	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	1.057	
VOC Content (%):	NE	
EVAPORATION RATE:	As water	
PH:	> 14	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Chlorine gas. Oxygen.
INCOMPATIBILITY (MATERIALS TO AVOID):	Contact with acids will release chlorine vapors. Interaction with ammonia-containing materials may liberate ammonia gas. Mix only with water.
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.
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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 metasilicate 6834-92-0	less than 1	Listed	Listed	Listed	Not Listed
Sodium hypochlorite 7681-52-9	2.5 max.	Listed	Listed	Listed	Not Listed

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PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Sodium metasilicate 6834-92-0	less than 1	Not Listed	Not Listed	Not Listed
Sodium hypochlorite 7681-52-9	2.5 max.	100 lb 45.4 kg	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Sodium metasilicate 6834-92-0	less than 1	Listed
Sodium hypochlorite 7681-52-9	2.5 max.	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	2.5 max.	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	2.5 max.	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	2.5 max.	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 ***