



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/13/2012

REVISION NUMBER:

7

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PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **F-204, Liquid Alkaline Foam Cleaner and Degreaser**

PRODUCT CODE: 101840

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

Health: 2/2

Fire: 0/0

Reactivity: 0/0

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

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Causes vomiting, nausea, and diarrhea. Severe burns to mucous membranes of mouth, throat and digestive tract.

SKIN CONTACT: Prolonged contact causes severe burns which may not be immediately painful or visible.

INHALATION: Inhalation of dust or mist may cause nose and respiratory irritation. Possible tissue damage. Possible dizziness, headache.

EYE CONTACT: May Cause Eye Burns. May cause permanent eye damage. May cause blindness.

CHRONIC EFFECTS: Dermatitis. Possible respiratory damage from inhalation of dust or mist. Long term overexposure to some glycol ethers by skin absorption or inhalation may cause kidney, liver, or blood effects based on animal testing.

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	1 - 5	Not applicable	Not applicable
Diethylene glycol butyl ether 112-34-5	1 - 10	Not applicable	Not applicable
Sodium dodecylbenzene sulfonate 25155-30-0	1 - 5	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: 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.

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4. FIRST AID MEASURES

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention. Remove contact lenses.

NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): None to boiling (C): None to boiling

METHOD: TCC

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: Product is mostly water and 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

SPILL PROCEDURES:

SMALL SPILLS: Mop up all possible. Flush with water.

LARGE SPILLS: Flush remainder with water. Releases of some glycol ethers may be CERCLA reportable. Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

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: Alkaline liquid. Do not breathe mist or vapors. Avoid contact with eyes, skin and clothing. Store in a cool, dry location away from incompatible materials. Keep container closed when not in use. Do not reuse this container. Mix only with water. Keep from freezing. Follow label directions carefully.

OTHER PRECAUTIONS: 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. Keep out of reach of children.

SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: Localized ventilation should be used to control dust levels.

RESPIRATORY PROTECTION: Not normally required. If mist or vapors in air exceed exposure limit, use NIOSH approved organic vapor respirator.

PROTECTIVE GLOVES: Rubber or plastic gloves recommended to minimize skin contact.

EYE PROTECTION: Safety Glasses. Goggles.

OTHER PERSONAL PROTECTION EQUIPMENT: Wear eye protection and protective clothing. Rubber boots. Eyewash fountains and safety showers must be easily accessible.

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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:	Blue clear liquid; glycol ether odor.	
BOILING POINT (F):	212° F	(C) 100° C
VAPOR PRESSURE:	As water	
VAPOR DENSITY (AIR=1):	As water	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	1.04 - 1.06	
VOC Content (%):	Not determined	
EVAPORATION RATE:	As water	
PH:	12.5 - 13.5	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	If evaporated to dryness, as in a fire, material may burn, releasing: Soot. Smoke. Carbon Monoxide. Oxides of Sulfur.
INCOMPATIBILITY (MATERIALS TO AVOID):	Neutralizes active ingrediants and may release acid fumes. Do not mix with acidic materials.
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

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PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Sodium metasilicate 6834-92-0	1 - 5	Listed	Listed	Listed	Not Listed
Diethylene glycol butyl ether 112-34-5	1 - 10	Listed	Listed	Listed	Not Listed
Sodium dodecylbenzene sulfonate 25155-30-0	1 - 5	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Sodium metasilicate 6834-92-0	1 - 5	Not Listed	Not Listed	Not Listed
Diethylene glycol butyl ether 112-34-5	1 - 10	Not Listed	Not Listed	Not Listed
Sodium dodecylbenzene sulfonate 25155-30-0	1 - 5	1000 lb 454 kg	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Sodium metasilicate 6834-92-0	1 - 5	Listed
Diethylene glycol butyl ether 112-34-5	1 - 10	Listed
Sodium dodecylbenzene sulfonate 25155-30-0	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 dodecylbenzene sulfonate 25155-30-0	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:
Diethylene glycol butyl ether 112-34-5	1 - 10	Listed
Sodium dodecylbenzene sulfonate 25155-30-0	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:
Diethylene glycol butyl ether 112-34-5	1 - 10	Listed
Sodium dodecylbenzene sulfonate 25155-30-0	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 ***