



## MATERIAL SAFETY DATA SHEET

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PREPARED BY:

EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **HDA-PF, Low Foam Heavy Duty Acid Detergent**

PRODUCT CODE: 118370

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: Acid/C

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 burns of the mouth, throat and stomach.  
**SKIN CONTACT:** May cause severe skin irritation.  
**INHALATION:** May irritate the lungs. May irritate mouth, nose, and throat.  
**EYE CONTACT:** Corrosive. Causes eye burns.  
**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
Nitric acid 7697-37-2	5.0-10.0	2 ppm	2 ppm 5 mg/m <sup>3</sup>
Phosphoric acid 7664-38-2	10.0-30.0	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

### 4. FIRST AID MEASURES

**INGESTION:** DO NOT INDUCE VOMITING. Rinse mouth. Get immediate medical attention.  
**SKIN:** Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention. Remove contaminated clothing and launder before reuse.  
**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): None to boiling (C): None to boiling

METHOD:

None

# HDA-PF, Low Foam Heavy Duty Acid Detergent

## FLAMMABLE LIMITS IN AIR

LOWER (%):  
UPPER (%):

No data  
No data

## SENSITIVITY TO MECHANICAL IMPACT(Y/N):

NO

## SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

## SUITABLE EXTINGUISHING MEDIA:

Product will not burn. As for surrounding fire.

## FIRE FIGHTING PROCEDURES:

Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

### SPILL PROCEDURES:

SMALL SPILLS:

None known.

LARGE SPILLS:

None known.

### 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. Use only with adequate ventilation.

### OTHER PRECAUTIONS:

Use only with sufficient ventilation.

### SPECIFIC USE(S):

Not applicable.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### PROTECTIVE EQUIPMENT:



### EXPOSURE CONTROLS:

Use in a well ventilated area.

### RESPIRATORY PROTECTION:

Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.

### PROTECTIVE GLOVES:

Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.

### EYE PROTECTION:

Goggles and face shield are recommended to minimize eye contact.

### OTHER PERSONAL PROTECTION EQUIPMENT:

Appropriate protective clothing as needed to prevent skin contact. 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.

### VENTILATION:

General mechanical and/or local exhaust as needed if mist or vapors cause irritation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE AND ODOR:

Clear, colorless liquid. Mild 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:

1.12 - 1.22

### VOC Content (%):

Not determined

### EVAPORATION RATE:

Not determined

### PH:

1.4 - 2.4 (10% dilution)

## 10. STABILITY AND REACTIVITY

### STABILITY DATA:

STABLE

### POLYMERIZATION:

Will Not Occur.

## HDA-PF, Low Foam Heavy Duty Acid Detergent

### 10. STABILITY AND REACTIVITY

**HAZARDOUS DECOMPOSITION:** Oxides of Nitrogen. Oxides of Phosphorus.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidents, such as nitric acid, or hypochlorites.  
**CONDITIONS/HAZARDS TO AVOID:** Extreme heat, direct sunlight.

### 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:
Nitric acid 7697-37-2	5.0-10.0	Listed	Listed	Listed	Not Listed
Phosphoric acid 7664-38-2	10.0-30.0	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Nitric acid 7697-37-2	5.0-10.0	1000 lb 454 kg	1000 lb RQ = 1000 lb TPQ	= 1.0 % de minimis concentration
Phosphoric acid 7664-38-2	10.0-30.0	2270 kg 5000 lb	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Nitric acid 7697-37-2	5.0-10.0	Listed
Phosphoric acid 7664-38-2	10.0-30.0	Listed

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

## HDA-PF, Low Foam Heavy Duty Acid Detergent

PRODUCT COMPOSITION CAS#	%	MARTK:
Nitric acid 7697-37-2	5.0-10.0	Listed
Phosphoric acid 7664-38-2	10.0-30.0	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:
Nitric acid 7697-37-2	5.0-10.0	Listed
Phosphoric acid 7664-38-2	10.0-30.0	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:
Nitric acid 7697-37-2	5.0-10.0	Listed
Phosphoric acid 7664-38-2	10.0-30.0	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 \*\*\*