



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012

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9

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PREPARED BY:

EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **HDA-2500, Liquid Heavy Duty Acid Cleaner**

PRODUCT CODE: 117833

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. Harmful if swallowed.  
SKIN CONTACT: Causes severe burns.  
INHALATION: Harmful if inhaled. Corrosive to respiratory passages.  
EYE CONTACT: Causes severe eye burns which may not be immediately painful or visible.  
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	15 - 20	2 ppm	2 ppm 5 mg/m <sup>3</sup>
Phosphoric acid 7664-38-2	15 - 20	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

### 4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Get immediate 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. 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.

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.

NOTES TO PHYSICIAN: None.

### 5. FIRE AND EXPLOSION HAZARD DATA

## HDA-2500, Liquid Heavy Duty Acid Cleaner

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FLASH POINT:	(F): Not determined (C): Not determined
METHOD:	TCC
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:	Water. Dry chemical. Soda ash.
FIRE FIGHTING PROCEDURES:	Cool exposed containers with water spray. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Increases the combustibility of, and can ignite, many organic materials such as wood, turpentine, etc. Contain runoff for proper disposal.

### 6. ACCIDENTAL RELEASE MEASURES

#### SPILL PROCEDURES:

##### SMALL SPILLS:

Reclaim as much as possible.

##### LARGE SPILLS:

Neutralize with lime, soda ash, or sodium bicarbonate. Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Consult an expert on disposal of recovered material and ensure conformity to all Federal, State, and local disposal regulations.

#### 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. Do not breathe mist or vapors. Avoid contact with eyes, skin and clothing. Do not store near oxidizing agents. Do not store near organic materials. Do not store in metal containers.

#### OTHER PRECAUTIONS:

Read and follow label instructions. Keep out of reach of children.

#### SPECIFIC USE(S):

Not applicable.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PROTECTIVE EQUIPMENT:



#### EXPOSURE CONTROLS:

##### RESPIRATORY PROTECTION:

Use in a well ventilated area.

Use an approved NIOSH full-face air supplied respirator if TLV/PEL's are 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. Corrosion resistant equipment recommended.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear. Colorless liquid. Characteristic odor.
BOILING POINT (F):	> 212° F (C) Not determined
VAPOR PRESSURE:	Not determined
VAPOR DENSITY (AIR=1):	Not determined
SOLUBILITY IN WATER:	Not determined
SPECIFIC GRAVITY:	1.211 - 1.231
VOC Content (%):	Not determined
EVAPORATION RATE:	Not determined
PH:	< 1

### 10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	When heated to high temperatures, the following may be produced: Toxic fumes. Oxides of Nitrogen.
INCOMPATIBILITY (MATERIALS TO AVOID):	Avoid: Contact with metals. Reaction will generate hydrogen gas. This gas is flammable and/or explosive in presence of ignition source. Avoid contact with: Oxidizing materials. Alkalines. Reducing agents.
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:	Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. 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:
NITRIC ACID ... % 7697-37-2	15 - 20	Listed	Listed	Listed	Not Listed
Phosphoric acid 7664-38-2	15 - 20	Listed	Listed	Listed	Not Listed

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PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
NITRIC ACID ... % 7697-37-2	15 - 20	1000 lb 454 kg	1000 lb RQ = 1000 lb TPQ	= 1.0 % de minimis concentration
Phosphoric acid 7664-38-2	15 - 20	2270 kg 5000 lb	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
NITRIC ACID ... % 7697-37-2	15 - 20	Listed
Phosphoric acid 7664-38-2	15 - 20	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:
NITRIC ACID ... % 7697-37-2	15 - 20	Listed
Phosphoric acid 7664-38-2	15 - 20	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	15 - 20	Listed
Phosphoric acid 7664-38-2	15 - 20	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	15 - 20	Listed
Phosphoric acid 7664-38-2	15 - 20	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 \*\*\*