



MATERIAL SAFETY DATA SHEET

REVISION DATE:
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REVISION NUMBER:
PREPARED BY:

2

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME:
PRODUCT CODE:

SCALE OFF 37

118417

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

Health: 3/3
Reactivity: 1/1

Fire: 0/0
Special/Protective Equipment: Acid/C

NAME OF THE
MANUFACTURER:

Rochester Midland Corporation
333 Hollenbeck Street
Rochester, New York 14621

Information: 585-336-2200
Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: May cause stomach discomfort.
SKIN CONTACT: Corrosive; Causes severe skin irritation. Possible dryness; irritation with prolonged contact.
INHALATION: Causes moderate respiratory irritation.
EYE CONTACT: Causes severe eye irritation. 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
Hydrochloric Acid 7647-01-0	1.0-5.0	NA	NA
Phosphoric acid 7664-38-2	20.0-25.0	1 mg/m ³	1 mg/m ³

4. FIRST AID MEASURES

INGESTION: Rinse mouth with water many times. Get immediate medical attention.
SKIN: Flush skin with large amounts of water. If irritation persists, get medical attention. Remove contaminated clothing and launder before reuse.
INHALATION: If inhaled, move victim to fresh air and seek medical attention.
EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): None (C): NA
METHOD: None

FLAMMABLE LIMITS IN AIR

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- LOWER (%): None
- UPPER (%): None

SENSITIVITY TO MECHANICAL IMPACT(Y/N):

NO

SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA:

Water.

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: Flush residue with water.

LARGE SPILLS: Dilute remainder with large amounts of water, then neutralize with soda, ash, or lime.

PERSONAL PRECAUTIONS: NA

ENVIRONMENTAL PRECAUTIONS: NA

METHODS FOR CLEANING UP: NA

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN

Danger: Corrosive. Do not breathe mist or vapors. Avoid contact with eyes, skin and clothing.

IN HANDLING AND STORAGE:

Avoid direct sunlight. Open container cautiously.

OTHER PRECAUTIONS:

No other spill procedures necessary.

SPECIFIC USE(S):

NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

Use NIOSH approved acid respirator with dust/mist filter if spray mist in air exceeds exposure limits. NIOSH approved organic vapor respirator.

PROTECTIVE GLOVES:

Neoprene. PVC.

EYE PROTECTION:

Goggles.

OTHER PERSONAL PROTECTION

Rubber apron. Rubber boots.

EQUIPMENT:

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

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear liquid. Distinctive odor.

BOILING POINT (F): NA

(C) NA

VAPOR PRESSURE: NA

VAPOR DENSITY (AIR=1): NA

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 1.2

VOV Content (%): NE

EVAPORATION RATE: NA

PH: 1.6 (4%)

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE

POLYMERIZATION: Will Not Occur.

HAZARDOUS DECOMPOSITION: Oxides of Nitrogen. Oxides of Phosphorus.

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10. STABILITY AND REACTIVITY

INCOMPATIBILITY (MATERIALS TO AVOID): Metals. Oxidizing material can cause reaction. Cyanides.

CONDITIONS/HAZARDS TO AVOID: None anticipated

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NE

EFFECTS OF CHRONIC EXPOSURE: NE

OTHER TOXIC EFFECTS: NE

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time

CHEMICAL FATE INFORMATION: No data at this time.

MOBILITY: NA

PERSISTENCE/DEGRADABILITY: NA

BIOACCUMULATIVE POTENTIAL: NA

OTHER ADVERSE EFFECTS: NA

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:
Hydrochloric Acid 7647-01-0	1.0-5.0	Listed	Listed	Listed	Not Listed
Phosphoric acid 7664-38-2	20.0-25.0	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Hydrochloric Acid 7647-01-0	1.0-5.0	2270 kg 5000 lb	5000 lb RQ Listed	Listed
Phosphoric acid 7664-38-2	20.0-25.0	2270 kg 5000 lb	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Hydrochloric Acid 7647-01-0	1.0-5.0	Listed
Phosphoric acid 7664-38-2	20.0-25.0	Listed

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

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PRODUCT COMPOSITION CAS#	%	MARTK:
Hydrochloric Acid 7647-01-0	1.0-5.0	Listed
Phosphoric acid 7664-38-2	20.0-25.0	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:
Hydrochloric Acid 7647-01-0	1.0-5.0	Listed
Phosphoric acid 7664-38-2	20.0-25.0	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:
Hydrochloric Acid 7647-01-0	1.0-5.0	Listed
Phosphoric acid 7664-38-2	20.0-25.0	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 ***