



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012

REVISION NUMBER:

3

DATE PRINTED: 04/16/2012

PREPARED BY:

EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

PRODUCT NAME:

**RCHA6207 HYDROCHLORIC ACID 7.7N**

PRODUCT CODE:

RCHA6207

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

Health: 3/3

Fire: 0/0

Reactivity: 0/0

Special/Protective Equipment: Acid/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:** May cause stomach discomfort. Vomiting. Diarrhea  
**SKIN CONTACT:** May cause moderate skin irritation.  
**INHALATION:** May irritate mouth, nose, and throat.  
**EYE CONTACT:** May cause moderate eye irritation.  
**CHRONIC EFFECTS:** Liver and kidney damage.  
**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	<50	Not applicable	Not applicable
WATER 7732-18-5	>50	Not applicable	Not applicable

### 4. FIRST AID MEASURES

**INGESTION:** DO NOT INDUCE VOMITING. Drink one or two glasses of water. Get medical attention.  
Never give anything by mouth to an unconscious person.  
**SKIN:** Remove contaminated clothing. Wash skin with water, using soap if available. Get medical attention if irritation persists.  
**INHALATION:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.  
**EYES:** Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.  
**NOTES TO PHYSICIAN:** None.

### 5. FIRE AND EXPLOSION HAZARD DATA

## **5. FIRE AND EXPLOSION HAZARD DATA**

<b>FLASH POINT:</b>	<b>(F):</b> Not determined <b>(C):</b> Not determined
<b>METHOD:</b>	TCC
<b>FLAMMABLE LIMITS IN AIR</b>	
<b>LOWER (%):</b>	NE
<b>UPPER (%):</b>	NE
<b>SENSITIVITY TO MECHANICAL IMPACT(Y/N):</b>	NO
<b>SENSITIVITY TO STATIC DISCHARGE:</b>	Sensitivity to static discharge is not expected.
<b>SUITABLE EXTINGUISHING MEDIA:</b>	As appropriate for surrounding fire-product is mostly water and will not burn.
<b>FIRE FIGHTING PROCEDURES:</b>	Toxic vapors are emitted in a fire condition. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

## **6. ACCIDENTAL RELEASE MEASURES**

### **SPILL PROCEDURES:**

<b>SMALL SPILLS:</b>	Pick up with absorbant material.
<b>LARGE SPILLS:</b>	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

**PERSONAL PRECAUTIONS:** Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection.

**ENVIRONMENTAL PRECAUTIONS:** Keep out of drains, sewers, streams, or other bodies of water.

**METHODS FOR CLEANING UP:** Not applicable

## **7. HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Avoid contact with skin and eyes. Wash thoroughly after handling. Keep from freezing.

**OTHER PRECAUTIONS:** No other spill procedures necessary.

**SPECIFIC USE(S):** Not applicable.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **PROTECTIVE EQUIPMENT:**



<b>EXPOSURE CONTROLS:</b>	Exhaust ventilation.
<b>RESPIRATORY PROTECTION:</b>	Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.
<b>PROTECTIVE GLOVES:</b>	Chemical resistant gloves are recommended to minimize skin contact.
<b>EYE PROTECTION:</b>	Safety glasses are recommended to minimize eye contact.
<b>OTHER PERSONAL PROTECTION EQUIPMENT:</b>	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.
<b>VENTILATION:</b>	Ordinary ventilation.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE AND ODOR:</b>	Clear, colorless liquid. Pungent odor.	
<b>BOILING POINT (F):</b>	212°	<b>(C)</b> 100°
<b>VAPOR PRESSURE:</b>	NA	

**9. PHYSICAL AND CHEMICAL PROPERTIES**

VAPOR DENSITY (AIR=1): NA  
SOLUBILITY IN WATER: Not determined  
SPECIFIC GRAVITY: 1  
VOC Content (%): Not determined  
EVAPORATION RATE: Not determined  
PH: < 1

**10. STABILITY AND REACTIVITY**

STABILITY DATA: STABLE  
POLYMERIZATION: Will Not Occur.  
HAZARDOUS DECOMPOSITION: Hydrogen chloride gas. Chlorine gas.  
INCOMPATIBILITY (MATERIALS TO AVOID): Metals. Alkalines. Cyanides. Sulfides. Sulfur and sulfite compounds.  
CONDITIONS/HAZARDS TO AVOID: Do not expose to heat or store at temperatures above 120F.

**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:
Hydrochloric Acid 7647-01-0	<50	Listed	Listed	Listed	Not Listed
WATER 7732-18-5	>50	Listed	Listed	Listed	Not Listed

## RCHA6207 HYDROCHLORIC ACID 7.7N

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Hydrochloric Acid 7647-01-0	<50	2270 kg 5000 lb	5000 lb RQ = 500 lb TPQ gas only	= 1.0 % de minimis concentration acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size
WATER 7732-18-5	>50	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Hydrochloric Acid 7647-01-0	<50	Listed
WATER 7732-18-5	>50	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:
Hydrochloric Acid 7647-01-0	<50	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	<50	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	<50	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 \*\*\*