



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/17/2012

REVISION NUMBER:

2

DATE PRINTED: 04/17/2012

PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **RCSA7590 SULFURIC ACID 0.5N**
PRODUCT CODE: RCSA7590

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

Health: 2/2

Fire: 0/0

Reactivity: 1/1

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 irritation. Vomiting. Diarrhea
SKIN CONTACT: May cause mild skin irritation.
INHALATION: May cause mild respiratory irritation.
EYE CONTACT: May cause irritation and redness.
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
Sulfuric acid 7664-93-9	< 2	0.2 mg/m ³	1 mg/m ³
WATER 7732-18-5	>98	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION: Get immediate medical attention. 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: 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

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FLASH POINT:	(F): Not determined	(C): Not determined
METHOD:	TCC	
FLAMMABLE LIMITS IN AIR		
LOWER (%):	NE	
UPPER (%):	NE	
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO	
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.	
SUITABLE EXTINGUISHING MEDIA:	Dry chemical. Foam. Carbon dioxide.	
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:	Pick up with absorbant material.
LARGE SPILLS:	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:	Keep container closed. Store in a cool, dry location away from incompatible materials. Wash thoroughly after handling. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container.
OTHER PRECAUTIONS:	No other spill procedures necessary.
SPECIFIC USE(S):	Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:	Exhaust ventilation.
RESPIRATORY PROTECTION:	Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.
PROTECTIVE GLOVES:	Chemical resistant gloves are recommended to minimize skin contact.
EYE PROTECTION:	Safety glasses are recommended to minimize eye contact.
OTHER PERSONAL PROTECTION EQUIPMENT:	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:	Use local exhaust ventilation as needed if spill occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear, colorless liquid.	
BOILING POINT (F):	212°	(C) 100°
VAPOR PRESSURE:	NA	
VAPOR DENSITY (AIR=1):	NA	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	1	
VOC Content (%):	Not determined	
EVAPORATION RATE:	Not determined	
PH:	< 1	

9. PHYSICAL AND CHEMICAL PROPERTIES**10. STABILITY AND REACTIVITY**

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Oxides of Sulfur.
INCOMPATIBILITY (MATERIALS TO AVOID): Organic matter. Chlorates. Alkalines. Reducing agents. Nitrates. acetic acid Oxidizing materials. Metals.
CONDITIONS/HAZARDS TO AVOID: Keep away from heat, sparks and flame. Contact with certain metals produces hydrogen gas.

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:
Sulfuric acid 7664-93-9	< 2	Listed	Listed	Listed	Not Listed
WATER 7732-18-5	>98	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Sulfuric acid 7664-93-9	< 2	1000 lb 454 kg	1000 lb RQ = 1000 lb TPQ	= 1.0 % de minimis concentration acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size
WATER 7732-18-5	>98	Not Listed	Not Listed	Not Listed

RCSA7590 SULFURIC ACID 0.5N

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Sulfuric acid 7664-93-9	< 2	Listed
WATER 7732-18-5	>98	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:
Sulfuric acid 7664-93-9	< 2	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:
Sulfuric acid 7664-93-9	< 2	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:
Sulfuric acid 7664-93-9	< 2	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 ***