



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/17/2012

REVISION NUMBER:

2

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PREPARED BY:

EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **RCSA1940 Sulfuric Acid 50% v/v**  
PRODUCT CODE: RCSA1940

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

Health: 3/3

Fire: 0/0

Reactivity: 2/2

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: Harmful if swallowed.  
SKIN CONTACT: Causes severe burns.  
INHALATION: Harmful if inhaled. May cause damage to nasal and respiratory passages.  
EYE CONTACT: May cause permanent eye damage.  
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<br>CAS# | %  | ACGIH TLV             | OSHA PELs           |
|-----------------------------|----|-----------------------|---------------------|
| Sulfuric acid<br>7664-93-9  | 50 | 0.2 mg/m <sup>3</sup> | 1 mg/m <sup>3</sup> |

### 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.

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

|                                        |                                                                                                                         |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| FLASH POINT:                           | (F): Nonflammable (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.                                                                                                           |
| 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 in a well ventilated area. If atmospheric/employee monitoring indicates exposure above the TLV/PEL, use the following respiratory protection: Wear self-contained breathing apparatus. |
| PROTECTIVE GLOVES:                   | Rubber gloves.                                                                                                                                                                             |
| EYE PROTECTION:                      | Goggles.                                                                                                                                                                                   |
| OTHER PERSONAL PROTECTION EQUIPMENT: | None known.                                                                                                                                                                                |
| VENTILATION:                         | Use local exhaust ventilation as needed if spill occur.                                                                                                                                    |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                        |                                    |                    |
|------------------------|------------------------------------|--------------------|
| APPEARANCE AND ODOR:   | Clear, colorless liquid. Odorless. |                    |
| BOILING POINT (F):     | NA                                 | (C) Not determined |
| VAPOR PRESSURE:        | NA                                 |                    |
| VAPOR DENSITY (AIR=1): | NA                                 |                    |
| SOLUBILITY IN WATER:   | Infinite                           |                    |
| SPECIFIC GRAVITY:      | NA                                 |                    |
| VOC Content (%):       | NE                                 |                    |
| EVAPORATION RATE:      | NE                                 |                    |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PH:** < 3

## 10. STABILITY AND REACTIVITY

**STABILITY DATA:** STABLE  
**POLYMERIZATION:** Will Not Occur.  
**HAZARDOUS DECOMPOSITION:** Oxides of Sulfur.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Contact with oxidizing agents. Bases, such as caustic soda, bleach, ammonia, etc. Metals.  
**CONDITIONS/HAZARDS TO AVOID:** Keep away from heat, sparks and flame. Strong oxidizers. 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<br>CAS# | %  | TSCA:  | EINECS: | Canada DSL: | CA PROP 65: |
|-----------------------------|----|--------|---------|-------------|-------------|
| Sulfuric acid<br>7664-93-9  | 50 | Listed | Listed  | Listed      | Not Listed  |

| PRODUCT COMPOSITION<br>CAS# | %  | CERCLA:           | SARA 302:                   | SARA 313:                                                                                                                                   |
|-----------------------------|----|-------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Sulfuric acid<br>7664-93-9  | 50 | 1000 lb<br>454 kg | 1000 lb RQ<br>= 1000 lb TPQ | = 1.0 % de minimis<br>concentration acid aerosols<br>including mists, vapors, gas,<br>fog, and other airborne forms<br>of any particle size |

| PRODUCT COMPOSITION<br>CAS# | %  | Canada WHMIS: |
|-----------------------------|----|---------------|
| Sulfuric acid<br>7664-93-9  | 50 | Listed        |

## RCSA1940 Sulfuric Acid 50% v/v

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

| PRODUCT COMPOSITION<br>CAS# | %  | MARTK: |
|-----------------------------|----|--------|
| Sulfuric acid<br>7664-93-9  | 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<br>CAS# | %  | NJRTK: |
|-----------------------------|----|--------|
| Sulfuric acid<br>7664-93-9  | 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<br>CAS# | %  | PARTK: |
|-----------------------------|----|--------|
| Sulfuric acid<br>7664-93-9  | 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 \*\*\*