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: **RCST5205 Starch Acid Powder**
PRODUCT CODE: RCST5205

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

Health:	3/3	**Fire:**	1/1
Reactivity:	0/0	**Special/Protective Equipment:**	None/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 severe damage of gastrointestinal tract.
SKIN CONTACT: Causes moderate skin irritation.
INHALATION: May irritate the lungs.
EYE CONTACT: May Cause 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
SULPHAMIC ACID 5329-14-6	80	Not applicable	Not applicable
Starch 9005-25-8	20	10 mg/m^3	15 mg/m^3 5 mg/m^3

4. FIRST AID MEASURES

INGESTION: Contact Physician.
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

FLASH POINT: **(F):** NA **(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:	As for surrounding fire.
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 when not in use. Store in a cool, dry area. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container. Wash thoroughly after handling.
OTHER PRECAUTIONS:	No other spill procedures necessary.
SPECIFIC USE(S):	Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:

EXPOSURE CONTROLS:	Exhaust ventilation. Localized ventilation should be used to control dust levels.
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:	Wear eye protection and protective clothing.
VENTILATION:	Local exhaust ventilation recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Off-white. Powder. Odorless.	
BOILING POINT (F):	NA	**(C)** Not determined
VAPOR PRESSURE:	NA	
VAPOR DENSITY (AIR=1):	NA	
SOLUBILITY IN WATER:	Slightly	
SPECIFIC GRAVITY:	Approx. 2	
VOC Content (%):	NE	
EVAPORATION RATE:	NA	
PH:	Approx. 1.18 (1% Soln)	

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Ammonia. Oxides of Sulfur. Oxides of Nitrogen. Oxides of Carbon.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidents, such as nitric acid, or hypochlorites. Chlorine. Avoid contact with: Bases, such as caustic soda, bleach, ammonia, etc.
CONDITIONS/HAZARDS TO AVOID: None known.

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:
SULPHAMIC ACID 5329-14-6	80	Listed	Listed	Listed	Not Listed
Starch 9005-25-8	20	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
SULPHAMIC ACID 5329-14-6	80	Not Listed	Not Listed	Not Listed
Starch 9005-25-8	20	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
SULPHAMIC ACID 5329-14-6	80	Listed
Starch 9005-25-8	20	<row><value>Uncontrolled product according to WHMIS classification criteria</value></row> Uncontrolled product according to WHMIS classification criteria

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:
Starch 9005-25-8	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:
SULPHAMIC ACID 5329-14-6	80	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:
Starch 9005-25-8	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 *****