



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/19/2012
 DATE PRINTED: 04/19/2012

REVISION NUMBER: 2
 PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **CS-40, Alkalinity Control Agent**
 PRODUCT CODE: 101060

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/C

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 be fatal if swallowed. Severe burns to mucous membranes of mouth, throat and digestive tract.

SKIN CONTACT: Causes severe burns.

INHALATION: Causes severe respiratory irritation. Possible damage to mucous membranes of nose and throat.

EYE CONTACT: Causes severe eye burns. May cause permanent eye damage. May cause blindness.

CHRONIC EFFECTS: Dermatitis. Possible respiratory damage from inhalation of dust or mist.

EFFECTS/CARCINOGENICITY: Contains an ingredient which has been determined by NTP to be an animal carcinogen with no known relevance to humans.

CARCINOGENIC INGREDIENTS: The International Agency of Research (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a suspected human carcinogen.

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	39 - 41	0.2 mg/m ³	1 mg/m ³

4. FIRST AID MEASURES

INGESTION: Get immediate medical attention. Drink several glasses of water or milk. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person.

SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention if irritation or burns develop.

INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

EYES: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

NOTES TO PHYSICIAN: None.

CS-40, Alkalinity Control Agent

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	(F): None (C): Not determined
METHOD:	None
FLAMMABLE LIMITS IN AIR	
LOWER (%):	No data
UPPER (%):	No data
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.
SUITABLE EXTINGUISHING MEDIA:	Carbon dioxide. Dry chemical. Product will not burn. Use of water may cause spattering.
FIRE FIGHTING PROCEDURES:	Avoid exposure to mist and splashes. Corrosive material. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:	Flush residue with water. Reclaim as much as possible.
LARGE SPILLS:	Flush remainder with water. 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:	Do not store near heat, sparks or flame. Store in a cool, dry area. Store only in original container and keep closed. Avoid contact with eyes, skin and clothing. DANGER: Concentrated acidic liquid. Do not breathe mist or vapors. Store in a well ventilated area. Mix only with cool water. Always add only small amounts of product to water at any one time, while continuously stirring.
OTHER PRECAUTIONS:	Keep out of reach of children. Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Read and follow label instructions.
SPECIFIC USE(S):	Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:	Use in a well ventilated area.
RESPIRATORY PROTECTION:	None normally required. Use NIOSH approved acid respirator with dust/mist filter if spray mist in air exceeds exposure limits.
PROTECTIVE GLOVES:	Rubber or plastic gloves recommended to minimize skin contact.
EYE PROTECTION:	Goggles. Face shield.
OTHER PERSONAL PROTECTION EQUIPMENT:	Rubber boots. Eyewash fountains and safety showers must be easily accessible. Appropriate protective clothing as needed to prevent skin contact.
VENTILATION:	Corrosion resistant equipment recommended. Local exhaust ventilation recommended.

CS-40, Alkalinity Control Agent

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Light yellow liquid. Odorless.	
BOILING POINT (F):	212 F	(C) Not determined
VAPOR PRESSURE:	15.7 mm Hg @ 22.2 C	
VAPOR DENSITY (AIR=1):	0.625	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	1.307	
VOC Content (%):	NE	
EVAPORATION RATE:	< (BuAc = 1) : 1.26	
PH:	< 1	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Sulfur dioxide. When heated to high temperatures, the following may be produced:
INCOMPATIBILITY (MATERIALS TO AVOID):	Reducing agents. Peroxides. Avoid contact with aluminum, zinc, other soft metals or galvanized metals. Chlorine containing materials. Alkalines. Avoid contact with: Reaction will generate hydrogen gas. This gas is flammable and/or explosive in presence of ignition source.
CONDITIONS/HAZARDS TO AVOID:	None.

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	39 - 41	Listed	Listed	Listed	Not Listed

CS-40, Alkalinity Control Agent

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Sulfuric acid 7664-93-9	39 - 41	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

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Sulfuric acid 7664-93-9	39 - 41	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	39 - 41	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	39 - 41	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	39 - 41	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 ***