



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012
DATE PRINTED: 04/16/2012

REVISION NUMBER: 2
PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **RCED2070 HARDNESS TITRANT HIGH**
PRODUCT CODE: RCED2070

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

Health:	1/1	Fire:	0/0
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 irritation.
SKIN CONTACT:	May cause mild skin irritation.
INHALATION:	None in normal use.
EYE CONTACT:	May cause mild eye irritation.
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
EDTA, 0.5M 6381-92-6	< 2	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION:	Drink several glasses of water or milk. Contact physician if irritation persists.
SKIN:	Flush skin with large amounts of water. If irritation persists, get medical attention.
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): Not determined	(C): Not determined
METHOD:	None	

FLAMMABLE LIMITS IN AIR

LOWER (%): No data
UPPER (%): No data

SENSITIVITY TO MECHANICAL IMPACT(Y/N):

SENSITIVITY TO STATIC DISCHARGE: NO

SUITABLE EXTINGUISHING MEDIA:

FIRE FIGHTING PROCEDURES: As for surrounding fire.
Use standard firefighting techniques: Water spray, dry chemicals, or foam. Wear full protective clothing. Wear respiratory protection if in a confined area.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Pick up with absorbant material.
LARGE SPILLS: Reclaim as much as possible. Shovel or sweep up residue and place in suitable containers.

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: Wash thoroughly after handling. Avoid contact with skin and eyes. Keep from freezing.

OTHER PRECAUTIONS: No other spill procedures necessary.
SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

RESPIRATORY PROTECTION: None known.

PROTECTIVE GLOVES: Not normally required. If mist or vapors in air exceed exposure limit, use NIOSH approved organic vapor respirator.

EYE PROTECTION: Chemical resistant gloves are recommended to minimize skin contact.

OTHER PERSONAL PROTECTION EQUIPMENT: Safety Glasses. Goggles.

VENTILATION: None known.

VENTILATION: Mechanical ventilation as needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, colorless liquid. Odorless.

BOILING POINT (F): Approx 212° F **(C)** Approx. 100° C

VAPOR PRESSURE: Not determined

VAPOR DENSITY (AIR=1): Not determined

SOLUBILITY IN WATER: Infinite

SPECIFIC GRAVITY: Approx 1

VOC Content (%): Not determined

EVAPORATION RATE: Not determined

PH: 4 - 6

10. STABILITY AND REACTIVITY

RCED2070 HARDNESS TITRANT HIGH

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Carbon Monoxide. Carbon Dioxide. Nitrogen oxides.
INCOMPATIBILITY (MATERIALS TO AVOID): Aluminum. copper Oxidizing materials.
CONDITIONS/HAZARDS TO AVOID: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Oral: LD50/oral/rat > 2000 mg/kg (estimated)
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:
EDTA, 0.5M 6381-92-6	< 2	Not Listed	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
EDTA, 0.5M 6381-92-6	< 2	Not Listed	Not Listed	Not Listed

None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.

None of the components of this material are included in the New Jersey Substance List nor are present at or above reportable levels.

None of the components of this material are included in the Pennsylvania Substance List nor are present at or above reportable levels.

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 ***