



MATERIAL SAFETY DATA SHEET

REVISION DATE: 10/28/2008 REVISION NUMBER: 2
DATE PRINTED: 11/11/2008 PREPARED BY: Walter Friedlander

1. CHEMICAL PRODUCT

PRODUCT NAME: **RC-0089, Hardness #5**
PRODUCT CODE: 10012

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

Health: 2/2 Fire: 0/0
Reactivity: 0/0 Special/Protective Equipment: None/B

NAME OF THE MANUFACTURER: Rochester Midland Corporation
333 Hollenbeck Street
Rochester, New York 14621
Information: 585-336-2200
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: May cause severe skin irritation.
INHALATION: Harmful if inhaled.
EYE CONTACT: May cause severe 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
Sodium Tetraborate 1303-96-4	4	2 mg/m ³	NA
Sodium sulfide 1344-08-7	1	NA	NA
SODIUM HYDROXIDE 1310-73-2	1	NA	2 mg/m ³
Potassium Sodium Tartrate 6381-59-5	1	NA	NA

4. FIRST AID MEASURES

INGESTION: Get immediate medical attention.
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

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FLASH POINT (F): Nonflammable (C): NA
 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 appropriate for surrounding fire-product is mostly water and will not burn.

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: NA

ENVIRONMENTAL PRECAUTIONS: NA

METHODS FOR CLEANING UP: NA

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use. 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): NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**PROTECTIVE EQUIPMENT:**

EXPOSURE CONTROLS: Exhaust ventilation.

RESPIRATORY PROTECTION: 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: None known.

EQUIPMENT:

VENTILATION: Use local exhaust ventilation as needed if spill occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear liquid. Sulfur odor.

BOILING POINT (F): NA

(C) NA

VAPOR PRESSURE: NA

VAPOR DENSITY (AIR=1): NA

SOLUBILITY IN WATER: NA

SPECIFIC GRAVITY: 1.04

VOC Content (%): NE

VOV Content (%): NE

EVAPORATION RATE: NE

PH: NE

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Toxic fumes. Hydrogen sulfide.
INCOMPATIBILITY (MATERIALS TO AVOID): Acids. Oxidizing materials. Strong acids will cause decomposition.
CONDITIONS/HAZARDS TO AVOID: Acids. Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NE
EFFECTS OF CHRONIC EXPOSURE: NE
OTHER TOXIC EFFECTS: NE

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time.
MOBILITY: NA
PERSISTENCE/DEGRADABILITY: NA
BIOACCUMULATIVE POTENTIAL: NA
OTHER ADVERSE EFFECTS: NA

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:
Sodium Tetraborate 1303-96-4	4	Listed	Not Listed	Listed	Not Listed
Sodium sulfide 1344-08-7	1	Listed	Listed	Listed	Not Listed
SODIUM HYDROXIDE 1310-73-2	1	Listed	Listed	Listed	Not Listed
Potassium Sodium Tartrate 6381-59-5	1	Not Listed	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Sodium Tetraborate 1303-96-4	4	Not Listed	Not Listed	Not Listed
Sodium sulfide 1344-08-7	1	Not Listed	Not Listed	Not Listed
SODIUM HYDROXIDE 1310-73-2	1	1000 lb 454 kg	Not Listed	Not Listed
Potassium Sodium Tartrate 6381-59-5	1	Not Listed	Not Listed	Not Listed

RC-0089, Hardness #5

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Sodium Tetraborate 1303-96-4	4	Listed
SODIUM HYDROXIDE 1310-73-2	1	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:
Sodium Tetraborate 1303-96-4	4	Listed
SODIUM HYDROXIDE 1310-73-2	1	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:
Sodium Tetraborate 1303-96-4	4	Listed
SODIUM HYDROXIDE 1310-73-2	1	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:
Sodium Tetraborate 1303-96-4	4	Listed
SODIUM HYDROXIDE 1310-73-2	1	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 *****