



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 01/31/2013

REVISION NUMBER:

3

DATE PRINTED: 01/31/2013

PREPARED BY:

EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **CS-47**

PRODUCT CODE: 118925

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

Health: 2/2

Fire: 0/0

Reactivity: 1/1

Special/Protective Equipment: ALK/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:** Irritation, nausea, vomiting and possible dizziness. May be harmful if swallowed.  
**SKIN CONTACT:** Prolonged contact causes severe burns which may not be immediately painful or visible.  
**INHALATION:** Harmful if inhaled.  
**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
POTASSIUM HYDROXIDE 1310-58-3	<2	Not applicable	Not applicable
SODIUM HYDROXIDE 1310-73-2	< 1.25	Not applicable	2 mg/m <sup>3</sup>

### 4. FIRST AID MEASURES

**INGESTION:** DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Contact Physician.  
**SKIN:** Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.  
**INHALATION:** Move person to fresh air. Aid breathing if necessary.  
**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.

### 5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:

(F): None (C): None

METHOD:

TCC

**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:**

As for surrounding fire. Product will not burn.

**FIRE FIGHTING PROCEDURES:**

None.

**6. ACCIDENTAL RELEASE MEASURES****SPILL PROCEDURES:****SMALL SPILLS:**

Flush with water.

**LARGE SPILLS:**

Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

**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:**

Avoid contact with skin and eyes.

**OTHER PRECAUTIONS:**

Keep out of reach of children.

**SPECIFIC USE(S):**

Not applicable.

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

None known.

**RESPIRATORY PROTECTION:**

Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.

**PROTECTIVE GLOVES:**

Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.

**EYE PROTECTION:**

Goggles and face shield are recommended to minimize eye contact.

**OTHER PERSONAL PROTECTION  
EQUIPMENT:**

Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

**VENTILATION:**

Not normally required. General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

**9. PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE AND ODOR:**

Clear brown liquid. Mild odor.

**BOILING POINT (F):**

212° F

(C) 100° C

**VAPOR PRESSURE:**

15.7 mm Hg @ 22.2° C

**VAPOR DENSITY (AIR=1):**

0.625

**SOLUBILITY IN WATER:**

Not determined

**SPECIFIC GRAVITY:**

1.20 - 1.24

**VOC Content (%):**

Not determined

**EVAPORATION RATE:**

(BuAc = 1) : 1.26

**PH:**

11.0 - 13.5

**10. STABILITY AND REACTIVITY****STABILITY DATA:**

STABLE

**10. STABILITY AND REACTIVITY**

**POLYMERIZATION:** Will Not Occur.  
**HAZARDOUS DECOMPOSITION:** If evaporated to dryness, as in a fire, may release: Oxides of Carbon. Oxides of Nitrogen. Oxides of Phosphorus.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Do not mix with acidic materials. Neutralizes active ingredients.  
**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:
POTASSIUM HYDROXIDE 1310-58-3	<2	Listed	Listed	Listed	Not Listed
SODIUM HYDROXIDE 1310-73-2	< 1.25	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
POTASSIUM HYDROXIDE 1310-58-3	<2	1000 lb 454 kg	Not Listed	Not Listed
SODIUM HYDROXIDE 1310-73-2	< 1.25	1000 lb 454 kg	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
POTASSIUM HYDROXIDE 1310-58-3	<2	Listed
SODIUM HYDROXIDE 1310-73-2	< 1.25	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:
POTASSIUM HYDROXIDE 1310-58-3	<2	Listed
SODIUM HYDROXIDE 1310-73-2	< 1.25	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:
POTASSIUM HYDROXIDE 1310-58-3	<2	Listed
SODIUM HYDROXIDE 1310-73-2	< 1.25	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:
POTASSIUM HYDROXIDE 1310-58-3	<2	Listed
SODIUM HYDROXIDE 1310-73-2	< 1.25	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 \*\*\*