



with **ASHLAND** TECHNOLOGY

## MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/02/2013

REVISION NUMBER:

2

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### 1. CHEMICAL PRODUCT

PRODUCT NAME: **POLYPURE CS**

PRODUCT CODE: 119355

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  
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 harmful if swallowed. May be fatal if swallowed.  
**SKIN CONTACT:** May cause skin burns. May cause redness and blistering of skin.  
**INHALATION:** May be harmful if inhaled. May be fatal if inhaled. Inhalation of mist may cause damage to nasal and respiratory passages.  
**EYE CONTACT:** May cause severe eye irritation. Causes redness and tearing. May cause corneal injury.  
**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
MORPHOLINE 110-91-8	8 - 12	20 ppm	20 ppm 70 mg/m <sup>3</sup>
SODIUM HYDROXYPHOSPHONOACETATE 78620-07-2	1 - 5	Not applicable	Not applicable
POTASSIUM 6,6',6''-(1,3,5-TRIAZINE-2,4,6- TRIYLTRIIMINO)TRIS-HEXANOATE 135043-69-5	1 - 5	Not applicable	Not applicable

### 4. FIRST AID MEASURES

**INGESTION:** Rinse mouth with water many times. Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. 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.

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### 4. FIRST AID MEASURES

<b>INHALATION:</b>	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.
<b>EYES:</b>	Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.
<b>NOTES TO PHYSICIAN:</b>	None.

### 5. FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT:</b>	<b>(F):</b> None to boiling <b>(C):</b> None to boiling
<b>METHOD:</b>	None
<b>FLAMMABLE LIMITS IN AIR</b>	
<b>LOWER (%):</b>	No data
<b>UPPER (%):</b>	No data
<b>SENSITIVITY TO MECHANICAL IMPACT(Y/N):</b>	NO
<b>SENSITIVITY TO STATIC DISCHARGE:</b>	Sensitivity to static discharge is not expected.
<b>SUITABLE EXTINGUISHING MEDIA:</b>	Carbon Dioxide, Dry Chemicals, Foam. Water.
<b>FIRE FIGHTING PROCEDURES:</b>	Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

### 6. ACCIDENTAL RELEASE MEASURES

#### SPILL PROCEDURES:

<b>SMALL SPILLS:</b>	Pick up with absorbant material.
<b>LARGE SPILLS:</b>	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

<b>PERSONAL PRECAUTIONS:</b>	Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection.
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<b>ENVIRONMENTAL PRECAUTIONS:</b>	Keep out of drains, sewers, streams, or other bodies of water.
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<b>METHODS FOR CLEANING UP:</b>	Not applicable
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### 7. HANDLING AND STORAGE

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:</b>	Store in a cool, dry location away from incompatible materials. Store in a well ventilated area. Empty containers may contain product residue. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container.
<b>OTHER PRECAUTIONS:</b>	No other spill procedures necessary.
<b>SPECIFIC USE(S):</b>	Not applicable.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PROTECTIVE EQUIPMENT:



<b>EXPOSURE CONTROLS:</b>	None known.
<b>RESPIRATORY PROTECTION:</b>	Use approved NIOSH respiratory protection if TLV/PEL exceeded or if over exposure is likely.
<b>PROTECTIVE GLOVES:</b>	Chemical resistant gloves are recommended to minimize skin contact.
<b>EYE PROTECTION:</b>	Safety glasses are recommended to minimize eye contact.
<b>OTHER PERSONAL PROTECTION EQUIPMENT:</b>	Appropriate protective clothing as needed to prevent skin contact. 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.
<b>VENTILATION:</b>	None required.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Amber liquid. Amine odor.	
BOILING POINT (F):	212°	(C) 100°
VAPOR PRESSURE:	Not determined	
VAPOR DENSITY (AIR=1):	Not determined	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	1.035 - 1.05	
VOC Content (%):	Not determined	
EVAPORATION RATE:	Not determined	
PH:	12.5 min	

### 10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Carbon Dioxide. Carbon Monoxide. Nitrous Oxide. Oxides of Phosphorus. Toxic fumes.
INCOMPATIBILITY (MATERIALS TO AVOID):	Acids. Oxidizing materials.
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.
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### 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:
MORPHOLINE 110-91-8	8 - 12	Listed	Listed	Listed	Not Listed
SODIUM HYDROXYPHOSPHONOACETATE 78620-07-2	1 - 5	Listed	Not Listed	Listed	Not Listed
POTASSIUM 6,6',6''-(1,3,5- TRIAZINE-2,4,6- TRIYLTRIIMINO)TRIS-HEXANOATE 135043-69-5	1 - 5	Listed	Not Listed	Not Listed	Not Listed

## POLYPURE CS

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
MORPHOLINE 110-91-8	8 - 12	Not Listed	Not Listed	Not Listed
SODIUM HYDROXYPHOSPHONOACETATE 78620-07-2	1 - 5	Not Listed	Not Listed	Not Listed
POTASSIUM 6,6',6''-(1,3,5- TRIAZINE-2,4,6- TRIYLTRIIIMINO)TRIS-HEXANOATE 135043-69-5	1 - 5	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
MORPHOLINE 110-91-8	8 - 12	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:
MORPHOLINE 110-91-8	8 - 12	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:
MORPHOLINE 110-91-8	8 - 12	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:
MORPHOLINE 110-91-8	8 - 12	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.

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