



with **ASHLAND** TECHNOLOGY

MATERIAL SAFETY DATA SHEET

REVISION DATE: 05/09/2013

REVISION NUMBER: 1

DATE PRINTED: 05/09/2013

1. CHEMICAL PRODUCT

PRODUCT NAME: **AMERCOR EM**

PRODUCT CODE: 119627

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

Health: 3/3

Fire: 2/2

Reactivity: 1/1

Special/Protective Equipment: CORR/D

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. Causes irritation of the stomach and intestines, resulting in nausea and/or vomiting. Causes burns of the mouth, throat and stomach. May cause central nervous system effects.

SKIN CONTACT: May cause skin burns. May cause an allergic skin reaction.

INHALATION: May be harmful if inhaled. May be fatal if inhaled. Inhalation of mist may cause damage to nasal and respiratory passages. May cause Central Nervous System effects.

EYE CONTACT: May cause permanent eye damage. May cause corneal injury. May cause blindness.

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
CYCLOHEXYLAMINE 108-91-8	20 - 30	10 ppm	Not applicable
MORPHOLINE 110-91-8	10 - 15	20 ppm	20 ppm 70 mg/m ³
2-DIETHYLAMINOETHANOL 100-37-8	10 - 15	2 ppm	10 ppm 50 mg/m ³
2-BUTANONE OXIME 96-29-7	1 - 5	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION: 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.

4. FIRST AID MEASURES

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:	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): 136° (C): 58°
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:	Dry chemical. Carbon dioxide. Water.
FIRE FIGHTING PROCEDURES:	Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Use water spray to cool nearby containers and structures exposed to fire. Vapor or gas may spread to distant ignition sources and flash back.

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:	Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection. Keep away from heat, sparks, or flame.
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ENVIRONMENTAL PRECAUTIONS:	Keep out of drains, sewers, streams, or other bodies of water.
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METHODS FOR CLEANING UP:	Not applicable
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7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Store in a cool, dry location away from incompatible materials. Store in a well ventilated area. Keep from freezing. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container. Observe proper grounding procedures to prevent fire hazard from static accumulation and discharge.
OTHER PRECAUTIONS:	No other spill procedures necessary.
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:	None required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear amber liquid. Amine odor.	
BOILING POINT (F):	200°	(C) 93°
VAPOR PRESSURE:	27.997 hPa	
VAPOR DENSITY (AIR=1):	3.2	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	0.975 - 0.982	
BULK DENSITY:	8.16	
VOC Content (%):	40.67 - 44.67	
EVAPORATION RATE:	Not determined	
PH:	11.8 min.	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Ammonia. Carbon Dioxide. Carbon Monoxide. Hydrogen Cyanide. Formaldehyde. Nitrogen compounds. Nitrogen oxides.
INCOMPATIBILITY (MATERIALS TO AVOID):	Acids. Alcohols. Aldehydes. Alkalines. Aluminum. Copper. Galvanized steel. Isocyanates. Metals. Nitrates. Nitrites. Organic acid anhydrides. Organic solvents. Peroxides. Phenol. Reducing agents. Strong oxidents, such as nitric acid, or hypochlorites. Zinc
CONDITIONS/HAZARDS TO AVOID:	Keep away from heat, sparks and flame. Moisture.

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

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PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
CYCLOHEXYLAMINE 108-91-8	20 - 30	Listed	Listed	Listed	Not Listed
MORPHOLINE 110-91-8	10 - 15	Listed	Listed	Listed	Not Listed
2-DIETHYLAMINOETHANOL 100-37-8	10 - 15	Listed	Listed	Listed	Not Listed
2-BUTANONE OXIME 96-29-7	1 - 5	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
CYCLOHEXYLAMINE 108-91-8	20 - 30	Not Listed	10000 lb RQ = 10000 lb TPQ	Not Listed
MORPHOLINE 110-91-8	10 - 15	Not Listed	Not Listed	Not Listed
2-DIETHYLAMINOETHANOL 100-37-8	10 - 15	Not Listed	Not Listed	Not Listed
2-BUTANONE OXIME 96-29-7	1 - 5	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
MORPHOLINE 110-91-8	10 - 15	Listed
2-DIETHYLAMINOETHANOL 100-37-8	10 - 15	<row><value>B3</value><value>D1B</value><value>E</value></row> B3

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:
CYCLOHEXYLAMINE 108-91-8	20 - 30	Listed
MORPHOLINE 110-91-8	10 - 15	Listed
2-DIETHYLAMINOETHANOL 100-37-8	10 - 15	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:
CYCLOHEXYLAMINE 108-91-8	20 - 30	Listed
MORPHOLINE 110-91-8	10 - 15	Listed
2-DIETHYLAMINOETHANOL 100-37-8	10 - 15	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:
CYCLOHEXYLAMINE 108-91-8	20 - 30	Listed
MORPHOLINE 110-91-8	10 - 15	Listed
2-DIETHYLAMINOETHANOL 100-37-8	10 - 15	Listed

16. OTHER INFORMATION

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 *****