



MATERIAL SAFETY DATA SHEET

REVISION DATE: 07/07/2009 REVISION NUMBER: 1
DATE PRINTED: 07/07/2009 PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **CLEANAIRE 600**
PRODUCT CODE: 119147

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

Health: 2/2 Fire: 2/2
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: Causes vomiting, nausea, and diarrhea. Aspiration of ingested or vomited liquid into the lungs may cause chemical pneumonia, which can be fatal.

SKIN CONTACT: Repeated or prolonged contact may irritate moderately. May be absorbed through the skin and contribute to the symptoms listed under ingestion. May be absorbed through the skin and produce nervous system effects.

INHALATION: Inhalation of spray mists irritating to nose and throat; possible nausea, dizziness. May cause Central Nervous System effects.

EYE CONTACT: Causes severe eye irritation. Causes redness and tearing. Possible tissue damage.

CHRONIC EFFECTS: None specific.

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
N-Methyl pyrrolidone 872-50-4	< 50	NA	NA
Ethanolamine 141-43-5	5 max.	3 ppm	3 ppm 6 mg/m ³

4. FIRST AID MEASURES

INGESTION: Get immediate medical attention. DO NOT INDUCE VOMITING. May cause aspiration pneumonia. 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 if irritation persists.

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: 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): 190° F (C): NA
METHOD: TCC

FLAMMABLE LIMITS IN AIR

- LOWER (%): NE
- UPPER (%): NE

SENSITIVITY TO MECHANICAL IMPACT(Y/N):

SENSITIVITY TO STATIC DISCHARGE:

SUITABLE EXTINGUISHING MEDIA:

FIRE FIGHTING PROCEDURES:

NO

Sensitivity to static discharge is not expected.

Water fog, carbon dioxide, foam, dry chemical.

Combustible. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

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

SMALL SPILLS:

LARGE SPILLS:

Pick up with absorbant material.

Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Keep out of drains, sewers, streams, or other bodies of water.

PERSONAL PRECAUTIONS:

ENVIRONMENTAL PRECAUTIONS:

METHODS FOR CLEANING UP:

Not applicable

Not applicable

Not applicable

7. HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN
IN HANDLING AND STORAGE:**

DANGER: Combustible liquid and vapor. Use only with adequate ventilation. Do not inhale vapors.

Do not store near heat, sparks or flame.

Do not store near oxidizing agents. Vapors are heavier than air and may tend to collect in low or poorly ventilated areas resulting in possible fire and/or inhalation hazard. Store only in original container and keep closed. Do not reuse container.

OTHER PRECAUTIONS:

SPECIFIC USE(S):

Read and follow label instructions.

NA

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

EXPOSURE CONTROLS:

RESPIRATORY PROTECTION:

None known.

Not normally required. If product is used in a manner which creates dust or mist above recommended exposure limits, a NIOSH/MSHA approved respirator with dust/mist filter may be needed in the absence of proper environmental controls.

PROTECTIVE GLOVES:

EYE PROTECTION:

**OTHER PERSONAL PROTECTION
EQUIPMENT:**

VENTILATION:

Rubber gloves.

Goggles.

Rubber boots. Chemical resistant materials are required to prevent prolonged or repeated skin contact. Liquid may penetrate leather shoes and cause delayed burns.

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 pale yellow liquid. Mild amine odor.
BOILING POINT (F):	390° - 460° F (C) NA
VAPOR PRESSURE:	1 - 2 mm Hg @ 20° C
VAPOR DENSITY (AIR=1):	> 1
SOLUBILITY IN WATER:	NA
SPECIFIC GRAVITY:	1.1
VOC Content (%):	50 (ARB 310 Method)
VOV Content (%):	NE
EVAPORATION RATE:	< (n-BuAc = 1)
PH:	11.5 - 11.8

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	When heated to high temperatures, the following may be produced: Carbon Dioxide. Carbon Monoxide. Nitrogen compounds. Various hydrocarbons.
INCOMPATIBILITY (MATERIALS TO AVOID):	Do not store or mix with: Strong alkalis. Strong mineral acids. Strong oxidents, such as nitric acid, or hypochlorites.
CONDITIONS/HAZARDS TO AVOID:	Extreme heat, direct sunlight. Open flames. Welding arcs.

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:
N-Methyl pyrrolidone 872-50-4	< 50	Listed	Listed	Listed	Developmental
Ethanolamine 141-43-5	5 max.	Listed	Listed	Listed	Not Listed

CLEANAIRE 600

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
N-Methyl pyrrolidone 872-50-4	< 50	Not Listed	Not Listed	= 1.0 % de minimis concentration
Ethanolamine 141-43-5	5 max.	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Ethanolamine 141-43-5	5 max.	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:
N-Methyl pyrrolidone 872-50-4	< 50	Listed
Ethanolamine 141-43-5	5 max.	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:
N-Methyl pyrrolidone 872-50-4	< 50	Listed
Ethanolamine 141-43-5	5 max.	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:
N-Methyl pyrrolidone 872-50-4	< 50	Listed
Ethanolamine 141-43-5	5 max.	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 ***