



## MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/19/2012

REVISION NUMBER:

2

DATE PRINTED: 04/02/2013

PREPARED BY:

EH&S DEPARTMENT

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **FRESH AIRE LEMON CARTRIDGE**

PRODUCT CODE: 117997

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

Health: 1/1

Fire: 2/2

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: Harmful if swallowed.  
SKIN CONTACT: Prolonged contact may lead to irritation and dermatitis.  
INHALATION: Inhalation of spray mist may be irritating.  
EYE CONTACT: Causes moderate 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
d-Limonene 5989-27-5	38.20	Not applicable	Not applicable
Ethyl Butyrate 105-54-4	0.75	Not applicable	Not applicable
ETHYL ACETATE 141-78-6	0.25	400 ppm	1400 mg/m <sup>3</sup> 400 ppm
Buylated hydroxy toluene 128-37-0	0.20	2 mg/m <sup>3</sup>	Not applicable

### 4. FIRST AID MEASURES

INGESTION: Drink several glasses of water or milk. Get immediate medical attention.  
SKIN: Wash with soap and water. Remove contaminated clothing and launder before reuse.  
INHALATION: Move person to fresh air.  
EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.  
NOTES TO PHYSICIAN: None.

### 5. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT:	(F): 123° F (C): 50.6° C
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:	Carbon Dioxide, Dry Chemicals, Foam.
FIRE FIGHTING PROCEDURES:	Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Containers can build up pressure if exposed to heat (fire). Cool exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

#### SPILL PROCEDURES:

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

PERSONAL PRECAUTIONS:	Remove all sources of ignition. Wear adequate personal protective equipment, see Section 8, Exposure Controls/Personal Protection.
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ENVIRONMENTAL PRECAUTIONS:	Not applicable
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METHODS FOR CLEANING UP:	Not applicable
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### 7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN	Keep container closed when not in use. Store in a cool, dry area.
IN HANDLING AND STORAGE:	Store in a well ventilated area.
OTHER PRECAUTIONS:	Keep out of reach of children.
SPECIFIC USE(S):	Not applicable.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:	Ensure adequate ventilation, especially in confined areas.
RESPIRATORY PROTECTION:	None normally required.
PROTECTIVE GLOVES:	Chemical resistant gloves are recommended to minimize skin contact.
EYE PROTECTION:	Goggles. Face shield.
OTHER PERSONAL PROTECTION	Eyewash fountains and safety showers must be easily accessible.
EQUIPMENT:	
VENTILATION:	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. Yellow. Orange liquid. Lemon scent.
BOILING POINT (F):	Not determined (C) Not determined
VAPOR PRESSURE:	Not determined
VAPOR DENSITY (AIR=1):	Heavier
SOLUBILITY IN WATER:	Soluble
SPECIFIC GRAVITY:	0.89 +/- 0.05
VOC Content (%):	Not determined

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

EVAPORATION RATE: Not determined  
PH: Not determined

### 10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE  
POLYMERIZATION: Will Not Occur.  
HAZARDOUS DECOMPOSITION: Carbon Dioxide. Carbon Monoxide.  
INCOMPATIBILITY (MATERIALS TO AVOID): Alkalines. Oxidizing materials.  
CONDITIONS/HAZARDS TO AVOID: Extreme heat, direct sunlight. Avoid any source of ignition.

### 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:
d-Limonene 5989-27-5	38.20	Listed	Not Listed	Listed	Not Listed
Ethyl Butyrate 105-54-4	0.75	Listed	Not Listed	Listed	Not Listed
ETHYL ACETATE 141-78-6	0.25	Listed	Listed	Listed	Not Listed
Buylated hydroxy toluene 128-37-0	0.20	Listed	Not Listed	Listed	Not Listed

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PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
d-Limonene 5989-27-5	38.20	Not Listed	Not Listed	Not Listed
Ethyl Butyrate 105-54-4	0.75	Not Listed	Not Listed	Not Listed
ETHYL ACETATE 141-78-6	0.25	2270 kg 5000 lb	Not Listed	Not Listed
Butylated hydroxy toluene 128-37-0	0.20	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
d-Limonene 5989-27-5	38.20	Listed
ETHYL ACETATE 141-78-6	0.25	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:
Ethyl Butyrate 105-54-4	0.75	Listed
ETHYL ACETATE 141-78-6	0.25	Listed
Butylated hydroxy toluene 128-37-0	0.20	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:
Ethyl Butyrate 105-54-4	0.75	Listed
ETHYL ACETATE 141-78-6	0.25	Listed
Butylated hydroxy toluene 128-37-0	0.20	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:
Ethyl Butyrate 105-54-4	0.75	Listed
ETHYL ACETATE 141-78-6	0.25	Listed
Butylated hydroxy toluene 128-37-0	0.20	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 \*\*\*