



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012
DATE PRINTED: 04/16/2012

REVISION NUMBER: 5

1. CHEMICAL PRODUCT

PRODUCT NAME:	FREEZ KLEEN II		
PRODUCT CODE:	117956		
NFPA/HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)			
Health:	1/1	Fire:	1/1
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:	Nausea. Vomiting. Irritation, nausea, vomiting and possible dizziness. Can be harmful if large quantities are swallowed.
SKIN CONTACT:	Possible dryness; irritation with prolonged contact. Harmful if absorbed through the skin.
INHALATION:	Possible dizziness, headache. May irritate mouth, nose, and throat. Massive inhalation may be harmful.
EYE CONTACT:	Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.
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
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PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
Diethylene glycol methyl ether 111-77-3	< 75	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION:	Drink one or two glasses of water. Get medical attention. Never give anything by mouth to an unconscious person.
SKIN:	Wash with soap and water. Remove contaminated clothing and discard.
INHALATION:	Aid breathing if necessary. If inhaled, move victim to fresh air and seek medical attention.
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): None (C): None
METHOD:	TCC

FREEZ KLEEN II

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:

Water fog, carbon dioxide, foam, dry chemical.

FIRE FIGHTING PROCEDURES:

Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

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:**

Keep container closed when not in use. Do not reuse container. Do not breathe mist or vapors. Store in a cool, dry area.

OTHER PRECAUTIONS:

Read and follow label instructions. Keep out of reach of children.

SPECIFIC USE(S):

Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:**EXPOSURE CONTROLS:**

None known.

RESPIRATORY PROTECTION:

Not normally required. If mist or vapors in air exceed exposure limit, use NIOSH approved organic vapor respirator.

PROTECTIVE GLOVES:

Rubber or plastic gloves recommended to minimize skin contact.

EYE PROTECTION:

Goggles.

OTHER PERSONAL PROTECTION

Appropriate protective clothing as needed to prevent skin contact.

EQUIPMENT:**VENTILATION:**

Use non-sparking equipment. 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. Liquid.

BOILING POINT (F):

228 F

(C) Not determined

VAPOR PRESSURE:

7.0 mm Hg @ 68 F

VAPOR DENSITY (AIR=1):

Heavier

SOLUBILITY IN WATER:

Not determined

SPECIFIC GRAVITY:

1.039 @ 70 F

VOC Content (%):

NE

EVAPORATION RATE:

As water

PH:

6 - 8

FREEZ KLEEN II

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Hydrogen halides
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidents, such as nitric acid, or hypochlorites. Do not store or mix with:
CONDITIONS/HAZARDS TO AVOID: Extreme heat, direct sunlight.

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:
Diethylene glycol methyl ether 111-77-3	< 75	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Diethylene glycol methyl ether 111-77-3	< 75	Not Listed	Not Listed	Not 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:
Diethylene glycol methyl ether 111-77-3	< 75	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:
Diethylene glycol methyl ether 111-77-3	< 75	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

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PRODUCT COMPOSITION CAS#	%	PARTK:
Diethylene glycol methyl ether 111-77-3	< 75	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 *****