



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/16/2012

REVISION NUMBER:

10

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PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **FREEZ KLEEN, Freezer Cleaner**

PRODUCT CODE: 117540

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

Health: 3/3

Fire: 4/4

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: Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue blurred vision, slurred speech, giddiness, tremors and convulsions.

SKIN CONTACT: Nausea. Diarrhea Vomiting.
Prolonged contact can cause skin damage. May cause moderate skin irritation. Dermatitis.
INHALATION: Causes severe respiratory irritation. Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

EYE CONTACT: Causes moderate eye irritation. 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
Isopropyl alcohol 67-63-0	60 min.	200 ppm	400 ppm 980 mg/m ³

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Contact Physician. Do not give anything to drink.

SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes.
Wash with soap and water. Get medical attention.

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.

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4. FIRST AID MEASURES

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): 65° F (C): 18.3° 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 expected; material has a flash point below 93 degC.

SUITABLE EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, dry chemical. Alcohol foam.

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. 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: Reclaim as much as possible.

LARGE SPILLS: Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Keep away from heat, sparks, or flame.

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: Warning: Flammable. Bond and ground during liquid transfer. Do not store near heat, sparks or flame.

Store in a cool, dry area.

Keep container closed when not in use.

OTHER PRECAUTIONS: Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. 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: The use of mechanical dilution ventilation is recommended whenever this product is used in confined space, is heated above ambient temperatures or otherwise to maintain ambient concentration below the recommended threshold exposure limits.

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: Safety glasses are recommended to minimize eye contact.

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OTHER PERSONAL PROTECTION EQUIPMENT:	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.
VENTILATION:	General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. Use non-sparking equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear liquid. Alcohol scent.	
BOILING POINT (F):	Not determined	(C) Not determined
VAPOR PRESSURE:	Not determined	
VAPOR DENSITY (AIR=1):	> 1	
SOLUBILITY IN WATER:	Soluble	
SPECIFIC GRAVITY:	0.8923	
VOC Content (%):	Not determined	
EVAPORATION RATE:	< 1	
PH:	Not determined	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Carbon Dioxide. Carbon Monoxide. Toxic fumes.
INCOMPATIBILITY (MATERIALS TO AVOID):	Do not store or mix with: Strong oxidents, such as nitric acid, or hypochlorites.
CONDITIONS/HAZARDS TO AVOID:	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.
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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:
Isopropyl alcohol 67-63-0	60 min.	Listed	Listed	Listed	Not Listed

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PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Isopropyl alcohol 67-63-0	60 min.	Not Listed	Not Listed	= 1.0% de minimis concentration only if manufactured by the strong acid process, no supplier notification.

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Isopropyl alcohol 67-63-0	60 min.	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:
Isopropyl alcohol 67-63-0	60 min.	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:
Isopropyl alcohol 67-63-0	60 min.	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:
Isopropyl alcohol 67-63-0	60 min.	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 ***