



MATERIAL SAFETY DATA SHEET

REVISION DATE: 10/04/2013

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PREPARED BY:

2

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **POWER KLEEN**

PRODUCT CODE: 119665

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

Health: 2/2

Fire: 0/0

Reactivity: 0/0

Special/Protective Equipment: CORR/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: May be harmful if swallowed. Causes vomiting, nausea, and diarrhea.
SKIN CONTACT: May cause severe skin irritation.
INHALATION: May irritate mouth, nose, and throat.
EYE CONTACT: May cause severe 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
Ethanolamine 141-43-5	15 - 20	3 ppm	3 ppm 6 mg/m ³
Potassium Carbonate 584-08-7	1 - 5	Not applicable	Not applicable
Diethylene glycol butyl ether 112-34-5	1 - 5	Not applicable	Not applicable
Tripropylene Glycol Methyl Ether 25498-49-1	1 - 2	Not applicable	Not applicable
Dipropylene glycol methyl ether 34590-94-8	1 - 2	100 ppm	100 ppm 600 mg/m ³

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Get immediate 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. Continue rinsing until "slippery" feeling is gone. Get medical attention if irritation or burns develop.

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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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): None to boiling (C): None to boiling

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: Water fog, carbon dioxide, foam, dry chemical.

FIRE FIGHTING PROCEDURES: Cool exposed containers with water spray. Corrosive material. Avoid exposure to mist and splashes. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Pick up with absorbant material. Flush residue 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: Store in a cool, dry area. Store in a well ventilated area. Store only in original container and keep closed. Keep from freezing. Danger: Corrosive. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors.

OTHER PRECAUTIONS: Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Read and follow label instructions.

SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: Use in a well ventilated area.

RESPIRATORY PROTECTION: Use an approved NIOSH full-face air supplied respirator if TLV/PEL's are exceeded or if over-exposure is likely.

PROTECTIVE GLOVES: Chemical resistant gloves are recommended to minimize skin contact.

EYE PROTECTION: Safety glasses 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: 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. Pleasant odor.	
BOILING POINT (F):	Not determined	(C) Not determined
VAPOR PRESSURE:	Not determined	
VAPOR DENSITY (AIR=1):	Not determined	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	1.061-1.081	
VOC Content (%):	26.8 (EPA Method 24)	
EVAPORATION RATE:	Not determined	
PH:	11.5-11.9	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Carbon Dioxide. Carbon Monoxide. Oxides of Nitrogen.
INCOMPATIBILITY (MATERIALS TO AVOID):	Acids. Oxidizing materials. carbon monoxide
CONDITIONS/HAZARDS TO AVOID:	None.

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

POWER KLEEN

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PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Ethanolamine 141-43-5	15 - 20	Listed	Listed	Listed	Not Listed
Potassium Carbonate 584-08-7	1 - 5	Listed	Not Listed	Listed	Not Listed
Diethylene glycol butyl ether 112-34-5	1 - 5	Listed	Listed	Listed	Not Listed
Tripropylene Glycol Methyl Ether 25498-49-1	1 - 2	Listed	Not Listed	Listed	Not Listed
Dipropylene glycol methyl ether 34590-94-8	1 - 2	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Ethanolamine 141-43-5	15 - 20	Not Listed	Not Listed	Not Listed
Potassium Carbonate 584-08-7	1 - 5	Not Listed	Not Listed	Not Listed
Diethylene glycol butyl ether 112-34-5	1 - 5	Not Listed	Not Listed	Not Listed
Tripropylene Glycol Methyl Ether 25498-49-1	1 - 2	Not Listed	Not Listed	Not Listed
Dipropylene glycol methyl ether 34590-94-8	1 - 2	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Ethanolamine 141-43-5	15 - 20	Listed
Potassium Carbonate 584-08-7	1 - 5	<row><value>E</value></row> E
Diethylene glycol butyl ether 112-34-5	1 - 5	Listed
Dipropylene glycol methyl ether 34590-94-8	1 - 2	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:
Ethanolamine 141-43-5	15 - 20	Listed
Dipropylene glycol methyl ether 34590-94-8	1 - 2	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:
Ethanolamine 141-43-5	15 - 20	Listed
Diethylene glycol butyl ether 112-34-5	1 - 5	Listed
Tripropylene Glycol Methyl Ether 25498-49-1	1 - 2	Listed
Dipropylene glycol methyl ether 34590-94-8	1 - 2	Listed

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

POWER KLEEN

PRODUCT COMPOSITION CAS#	%	PARTK:
Ethanolamine 141-43-5	15 - 20	Listed
Diethylene glycol butyl ether 112-34-5	1 - 5	Listed
Tripropylene Glycol Methyl Ether 25498-49-1	1 - 2	Listed
Dipropylene glycol methyl ether 34590-94-8	1 - 2	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 ***