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## MATERIAL SAFETY DATA SHEET

REVISION DATE: 10/31/2001  
DATE PRINTED: 03/05/2007

REVISION NUMBER: 4  
PREPARED BY: Walter Friedlander

### 1. CHEMICAL PRODUCT

PRODUCT NAME: **KARPET KLEEN, Carpet Dry Cleaning System**  
PRODUCT CODE: 120168

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

Health:	1/1	Fire:	0/0
Reactivity:	0/0	Special/Protective Equipment:	None/B

### 2. HAZARDS IDENTIFICATION

#### EFFECTS FROM ACUTE EXPOSURE:

INGESTION:	Causes vomiting, nausea, and diarrhea.
SKIN CONTACT:	Prolonged contact may lead to irritation and dermatitis.
INHALATION:	Inhalation of dust or mist may cause nose and respiratory irritation. Excessive inhalation causes headache, dizziness, nausea and incoordination.
EYE CONTACT:	May cause moderate eye irritation.
CHRONIC EFFECTS:	2-Butoxyethanol is readily absorbed through the skin; frequent or widespread contact may absorb harmful amounts. Repeated overexposure may cause damage to liver, kidney, and red blood cells.
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
2-BUTOXYETHANOL 111-76-2	5 - 10	20 ppm	240 mg/m <sup>3</sup> 50 ppm

### 4. FIRST AID MEASURES

INGESTION:	DO NOT INDUCE VOMITING. Get immediate medical attention. May cause aspiration pneumonia. Never give anything by mouth to an unconscious person.
SKIN:	Rinse thoroughly with water. 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, 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

FLASH POINT (F): None (C): NA  
METHOD: None

#### FLAMMABLE LIMITS IN AIR

- LOWER (%): None  
- UPPER (%): None

SENSITIVITY TO MECHANICAL IMPACT(Y/N): NO

# KARPET KLEEN, Carpet Dry Cleaning System

**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:** Rinse down drain. Mop up all possible.

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

**PERSONAL PRECAUTIONS:** NA**ENVIRONMENTAL PRECAUTIONS:** NA**METHODS FOR CLEANING UP:** NA

## 7. HANDLING AND STORAGE

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

Use only with adequate ventilation. Do not store near heat, sparks or flame. Caution: Store only in original container and keep closed. Avoid contact with skin and eyes. Do not breathe mist or vapors.

**OTHER PRECAUTIONS:**

Keep out of reach of children.

**SPECIFIC USE(S):**

NA

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**PROTECTIVE EQUIPMENT:****EXPOSURE CONTROLS:**

Use in a well ventilated area.

**RESPIRATORY PROTECTION:**

None normally required.

**PROTECTIVE GLOVES:**

Viton gloves. Neoprene. Nitrile gloves.

**EYE PROTECTION:**

Safety Glasses. Goggles.

**OTHER PERSONAL PROTECTION EQUIPMENT:**

Appropriate protective clothing as needed to prevent skin contact.

**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:**

Light blue liquid. Mild fragrance. Clear.

**BOILING POINT (F):**

> 180 F

(C) NA

**VAPOR PRESSURE:**

12 - 15 mm Hg.

**VAPOR DENSITY (AIR=1):**

0.60 - 0.70

**SOLUBILITY IN WATER:**

NA

**SPECIFIC GRAVITY:**

1.036

**VOC Content (%):**

NE

**VOV Content (%):**

NE

**EVAPORATION RATE:**

(BuAc = 1) : 1.26

**PH:**

8.0 - 8.5

## 10. STABILITY AND REACTIVITY

**STABILITY DATA:**

STABLE

**POLYMERIZATION:**

Will Not Occur.

**HAZARDOUS DECOMPOSITION:**

Hydrogen halides

**INCOMPATIBILITY (MATERIALS TO AVOID):**

None

# KARPET KLEEN, Carpet Dry Cleaning System

## 10. STABILITY AND REACTIVITY

CONDITIONS/HAZARDS TO AVOID: None.

## 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NE

EFFECTS OF CHRONIC EXPOSURE: NE

OTHER TOXIC EFFECTS: NE

## 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time

CHEMICAL FATE INFORMATION: No data at this time.

MOBILITY: NA

PERSISTENCE/DEGRADABILITY: NA

BIOACCUMULATIVE POTENTIAL: NA

OTHER ADVERSE EFFECTS: NA

## 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:
2-BUTOXYETHANOL 111-76-2	5 - 10	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
2-BUTOXYETHANOL 111-76-2	5 - 10	Not Listed	Not Listed	Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
2-BUTOXYETHANOL 111-76-2	5 - 10	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:
2-BUTOXYETHANOL 111-76-2	5 - 10	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:
2-BUTOXYETHANOL 111-76-2	5 - 10	Listed

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

## KARPET KLEEN, Carpet Dry Cleaning System

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PRODUCT COMPOSITION CAS#	%	PARTK:
2-BUTOXYETHANOL 111-76-2	5 - 10	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 \*\*\*