

**Description:**

**KLEER** is a specially formulated rinsing solution designed to be used in the second step of prespray carpet fibre cleaning or the final step of extraction cleaning.

**KLEER** neutralizes excess alkalinity, removes any detergent residues, inhibits browning and rinses clear out - leaving the carpet fibres soft and clean.

**KLEER** can also be used as a spotter for urine and tannin stains and is safe for use on wet cleanable upholstery. **KLEER** is an excellent formulation for "souring" fugitive dyes on area rugs allowing the professional technician the ability to clean challenging requests.

**pH on Dilution: 2.9 - 3.1**

Meets specifications for use on stain resistant carpet.

**Dilution Rates:**

After cleaning with **GLADIATOR** Traffic Lane Cleaner or **BLAST** Extraction Cleaner, rinse using **KLEER** at 1:256 dilution with hot water extraction. For Urine stains, dilute 2 fl.oz. per US gallon (16 mL/L)(1:64).

**Truck Mount Units (at 2 GPH):**

50 fl.oz. (1480 mL) per 5 US gallons warm to hot water (18.9 L)

**Truck Mount RTU 100 gls:**

50 fl.oz. (1480 mL) per 100 US gallons warm to hot water (378 L) (1:256)

**Portable System:**

2.5 fl.oz. (75 mL) to 5 US gallons warm to hot water (18.9 L) (1:256)

**Caution:**

Before application, pretest for colorfastness in an inconspicuous area. Dilution may vary depending on soil conditions. Do not walk barefoot on wet carpet.

Dispose of unused use solutions according to applicable local and federal regulations. Read MSDS before use.



- Rinses Clean
- Prevents Browning
- Neutralizes Alkaline Presprays

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **KLEER**

WHMIS CODE: D2B, E

Product Use: *Neutralizing rinse.*

Proper Shipping Name: N/A

Hazard Class: N/A

UN Number: N/A

### HMIS

2	Health
0	Flammability
0	Reactivity
B	Personal

A=Gloves, B=Goggles & Gloves  
C=Goggles, Gloves and Apron

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### EMERGENCY PHONE

Canada: Canutec 613-996-6666

U.S.A.: Chemtrec 800-424-9300

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

## SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>RANGE %</u>	<u>PEL</u>	<u>TLV</u>
<b>GLYCOLIC ACID</b> LD50 4240 mg/kg (oral-rat)	79-14-1	3.0-12.0	N/A	N/A
<b>ALCOHOL ETHOXYLATE</b> LD50 (oral rat) 1376 mg/kg LD50 (dermal rabbit) >2 g/kg	68439-46-3	1.0-5.0	N/A	N/A

## SECTION 3 – PHYSICAL DATA

<b>Color and Odor:</b> Clear/colourless, citrus odor	<b>Boiling Point:</b> N/D	<b>Vapor Pressure (mm HG):</b> N/D	<b>pH:</b> 1.5 – 2.5
<b>Physical State:</b> Liquid.	<b>Melting Point:</b> N/A	<b>Vapor Density:</b> N/D	<b>Specific Gravity:</b> 1.03 @ 20°C
<b>Coef. Water/Oil Dist:</b> Greater than 1.0	<b>Evaporation Rate:</b> N/D	<b>Solubility in Water:</b> Soluble	<b>Odor Threshold:</b> No Data

## SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point and Method:</b> None to 100°C (TCC)	<b>Sensitivity to Mechanical Impact:</b> None.	<b>Extinguishing Media:</b> Not flammable.
<b>Flammable Limits:</b> None known.	<b>Sensitivity to Static Discharge:</b> None.	<b>Auto ignition Temperature:</b> None known.
<b>Unusual Fire and Explosion Hazards:</b> None.		<b>Conditions of Flammability:</b> None.
<b>Hazardous Combustion Products:</b> Carbon and nitrogen oxides.		
<b>Special Fire Fighting:</b> Wear NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situation. Use water spray to cool all nearby fire exposed surfaces.		

## SECTION 5 – REACTIVITY DATA

**Chemical Stability:** Stable under normal storage conditions.  
**Hazardous Polymerization:** Will not occur.  
**Incompatibility (material to avoid):** Strong alkalis.  
**Hazardous Decomposition Products:** None known.

## SECTION 6 – TOXICOLOGICAL DATA

<b>Exposure Limits:</b> See Section 2 under Hazardous Ingredient.	<b>Routes of Entry:</b> Skin and eye contact, inhalation, ingestion.
<b>Irritancy of Product:</b> Vapor may be irritating to nose/throat and may cause severe eye burns.	<b>Sensitization:</b> None known.
<b>Carcinogenicity:</b> None known.	<b>Name of Toxicological Synergistic Product:</b> None
<b>Mutagenicity:</b> None known.	
<b>Reproductive Toxicity:</b> None known.	
<b>Effects of Chronic Exposure:</b> Frequent or prolonged contact may cause skin irritation.	<b>Teratogenicity:</b> None known.
<b>Effects of Acute Exposure to Product:</b> Vapour may be irritating to nose and throat. Ingestion may lead to nausea, vomiting or diarrhea. Product can cause severe eye burns. Contact may be irritating to skin.	

## SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

**Respiratory Protection:** Not required for normal use of product.  
**Ventilation:** Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.  
**Protective Gloves:** Rubber gloves recommended  
**Eye Protection:** Goggles with side shield recommended.  
**Protective Clothing and Equipment:** Eyes wash recommended in the immediate work area.  
**Storage and Handling Procedures:** Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.  
**Disposal Procedures for Spills or Leaks:** Wear protective equipment. Flush with water to a sanitary sewer.  
**Waste Disposal Method:** Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.  
**Special Shipping Information:** Store at temperatures below 30°C. Keep from freezing.

## SECTION 8 – EMERGENCY FIRST AID PROCEDURES

### First Aid:

If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with soap and clean water and rinse well. Launder clothing before reuse. If irritation occurs or persists, get medical attention.

## PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division

PHONE: 604-526-5655

LAST UPDATE: 07/04/11

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE