

PRESPRAY

ENVIRONMENTALLY RESPONSIBLE CLEANING

Esteam Green-Line Prespray has been developed for the world of environmentally responsible cleaning. With its blend of environmentally friendly, VOC compliant building agents and surfactants Esteam's Green-Line Prespray meets or exceeds the environmental choice criteria for green cleaning in today's world.



This product does not contain Phosphates, Solvents, Butyls, (APE's) Alkyl Phenol Ethoxylates or carcinogens and is VOC compliant.



Green-Line Prespray is Carpet & Rug Institute (CRI) certified as a premium carpet prespray.

- **Dilution Ratio 1:32**
- **Diluted pH: 8.9**
- **Biodegradable**
- **Free rinsing formulation**
- **VOC compliant**
- **Meets specifications for use on stain resistant carpets**

DIRECTIONS FOR USE:

Shake well before using.

Pretest in an inconspicuous location for color fastness and fibre stability..

Pump-up or Power Sprayer: Mix 4 oz (118 ml) of Green-Line Prespray into 1 gallon (3.78 L) of warm to hot water. (1:32 dilution)

Hydro-Force Sprayer:

4:1 no tip: Mix 20 oz (590 ml) of Green-Line Prespray into Hydro-Force jug and fill with warm to hot water.

9:1 yellow tip: Mix 40 oz (1:18 L) of Green-Line Prespray into Hydro-Force jug and fill with warm to hot water.

Pile lift or vacuum prior to cleaning. Spray diluted Green-Line Prespray onto carpet at the rate of 800 - 1000 square feet per gallon. Allow 15 minutes dwell time, then rinse with hot water extraction. For best results vacuum after carpet is dry.

NOTE: Do not mix Green-Line Emulsifier with any other chemical product.



GREEN-LINE



Distributed by:

 **ESTEAM**
GREEN-LINE

SUPPLIER MATERIAL SAFETY DATA SHEET (MSDS)

N/D=Not Determined
N/A=Not Applicable

Product: GREEN-LINE Prespray

Manufacturer: ESTEAM

Flammability: 0

Chem. Name: N/A

Trade Name: Environmentally Responsible
Carpet Prespray

Reactivity: 0

Chem. Family:

Use: Carpet Pretreat

Health: 1

Protection:

NFPA LEAST=0, SLIGHT=1, MODERATE=2, HIGH=3, EXTREME=4

HAZARDOUS INGREDIENTS

Alcohol ethoxylate
sodium tetra borate pentahydrate

CAS

68991-48-0
12179-04-3

% WT

3-6
1-5%

HAZARD DATA

LD50>2000 mg/kg (oral rat)
LD50 3200 mg/kg (oral rat)

EXPOSURE LIMITS (TLV)

NOTE: All carpet cleaning products introduce substances to the indoor environment, Environmentally Responsible GREEN-LINE Prespray has comparatively reduced risk.

PHYSICAL DATA

Physical State: Liquid

Boiling Point (C): 100

Solubility in Water: 100%

Evaporation Rate: Approx 1

Freeze/Thaw Stable: Yes

Odor/ Appearance: Pale yellow, mild odour

Freezing Point (C): 0

Ph (undiluted): 8.5

Specific Gravity: Approx 1.0

Percent Volatile (vol): N/D

Vapor Pressure: N/D

FIRE & EXPLOSION HAZARD

Flammability: N

Means of Extinction: N/A

Special Procedures: N/A

Explosion Sensitivity to Impact: N/A

Chemical Sensitivity to Static Discharge: N/A

Flashpoint (C) & Method: None

Conditions: N/A

Hazardous Combustion Products: N/A

Upper Explosion Limit (% by vol): N/A

Lower Explosion Limit (% by vol): N/A

Auto-ignition: N/A

Rate of Burning: N/A

Explosive Power: N/A

TDG/WHMIS: Non hazardous / D2B

REACTIVITY DATA

Chemical Stability: Stable

Hazardous Decomposition Product: Carbon oxides

Incompatible Substances: Strong oxidizing agents

TOXICOLOGICAL PROPERTIES

Route of Entry - Skin Contact: Y
Route of Entry - Skin Absorption: N
Route of Entry - Eye Contact: Y
Route of Entry - Inhalation: N
Route of Entry - Ingestion: Y

Reproductive Effects Y/N: N
Carcinogenicity Y/N: N
Mutagenicity Y/N: N
Teratogenicity Y/N: N/D
TLV: N/D

Effects of Overexposure:

Acute Effects:

May cause skin and eye irritation. Ingestion may cause diarrhea, nausea and gastrointestinal irritation.

Chronic Effects:

None known.

PREVENTATIVE MEASURES

Gloves: Rubber gloves
Eyes: Safety glasses

Footwear: N/A
Respirator: N/A

Clothing: N/A
Other: N/A

Recommended Engineered Controls:
Use with adequate ventilation.

Leak & Spill Procedures:
Flush to a sanitary sewer.

Waste Disposal Methods:
According to federal, provincial and municipal regulations.

Special Handling Procedures:
Store in a cool, dry place. Keep away from children.

FIRST AID MEASURES

Inhalation: Remove to fresh air

Ingestion: Drink large amounts of water to dilute.

Eye Contact: Immediately flush eyes with running water for at least 15 minutes. Contact a physician if irritation persists.

Skin Contact: Immediately flush skin for at least 15 minutes. Launder clothing before reuse. Contact a physician if irritation persists.

Prep./Revised Date: January 15, 2015

Prepared By: R. Russell

Source Material: Manufacturer's MSDS

Emergency Response: 1-613-996-6666 (Transport Emergencies)

Mailing Address: Esteam Manufacturing Ltd.

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This information is complete to the best of our knowledge, however, users are encouraged to make their own investigations into the suitability of the information to their particular purposes. READ THE LABEL before using this or any product, and take any necessary precautions, dictated by the label or by common sense to ensure that your health is protected.