



**Ammonia-Free
Heavy Duty Household
Glass Cleaner**

DESCRIPTION

A ready to use, ammonia-free, non-streaking, non-smearing, quick drying product that cleans and shines glass, mirrors, sinks, countertops, stainless steel, and other washable surfaces. Can also be used as a light-duty cleaner on all surfaces not harmed by water.

This non-ammoniated ready to use glass cleaner is formulated with a lavender-mint fragrance.

DIRECTIONS

For use on all glass surfaces indoors or outdoors.

1. Spray onto soft, lint free cloth and clean surface.

Best results can be obtained by using a micro fiber cloth for drying and polishing.



PRODUCT SPECIFICATIONS

Color:	Blue	Biodegradability:	Complete
Fragrance:	Lavender-mint	Solubility:	Complete with water
pH:	3.5 – 4.5	Flash Point:	None
Viscosity:	Water thin	Storage/Stability:	1 year
Foam:	Moderate	Freeze/Thaw Stability:	Keep from freezing
Detergency:	Excellent	Weight Per Gallon:	8.34 lbs. per gallon

KARNAK CORPORATION

330 Central Avenue
Clark, NJ. 07066

www.karnakcorp.com

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Heavy Duty Household glass cleaner

Supplier's Name: **KARNAK CORPORATION**

Generic Name: Glass Cleaner
Chemical Family: Detergent blend
Formula: Proprietary

Supplier's Address: 330 Central Avenue
 Clark, NJ. 07066
Supplier's Phone #:

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Acetic Acid	64-19-7	0 to 5			
Sodium Octanesulfonate	5324-84-5	0 to 5			
Diethylene Glycol Butyl Ether	112-34-5	0 to 5			
Propylene Glycol n-butyl Ether	5131-66-8	0 to 5			
Isopropyl Alcohol	67-63-0	0 to 5			
Dye	Unknown	<0.05			
Fragrance	N/A	<0.1			

SECTION 3-PHYSICAL DATA

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Boiling Point (°F): 212° F.
Vapor Pressure: 20mm Hg @68°F.
% Volatile: 80+
Solubility in Water: Complete
Physical Description: Thin clear light blue liquid with pleasant characteristic odor
VOC Content: 1.58% by wt.

Flash Point (Method Used): None
Upper Explosion Limit: N/A
Lower Explosion Limit: N/A
Extinguishing Media: Not required
Special Firefighting Procedures: None
Unusual Fire and Explosion Hazards: N/A

Specific Gravity: 1.000
Vapor Density (Air=1): >1
pH: 3.5 - 4.5
Evaporation Rate (Water=1): >1

SECTION 5-REACTIVITY DATA

Stability: Stable
Hazards Decomposition Products: Not Known
Hazardous Polymerization: None
Incompatibility (Materials to Avoid): Strong Alkalies, Chlorine

SECTION 6-STORAGE AND HANDLING INFORMATION

Slight eye irritant. Keep out of reach of children. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Avoid breathing of vapors or mists. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

SECTION 8-SPECIAL PROTECTION INFORMATION

Effects of Overexposure:
Skin: May cause dryness of skin with prolonged or repeated contact
Eyes: Mild eye irritant. May cause redness, tearing.
Inhalation: Mists may be slightly irritating with repeated contact
Ingestion: Slightly irritating to throat. May cause, nausea, abdominal pain if large amounts are ingested.

Respiratory Protection: No special requirements
Ventilation Requirements: No special requirements
Protective Gloves: Rubber gloves recommended
Eye Protection: Safety glasses recommended.
Other Protective Equipment: None

First Aid Procedures:

Skin: Flush with water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention.
Inhalation: Get to fresh air. Seek medical attention if symptoms persists.
Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Ventilate area well. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to storm sewer or open waterways.
Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Disposal to sanitary sewer is permitted. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before offering for recycling.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:
 No - Fire Hazard
 No - Sudden Release of Pressure Hazard
 No - Reactivity Hazard
 Yes - Immediate (acute) Health Hazard
 No - Delayed (chronic) Health Hazard

Shipping Information:
 FOR CONTAINERS > 1 Gallon : Cleaning Compound
 Non-Hazardous
 FOR 1 GALLON CONTAINERS : Cleaning Compound
 Non-Hazardous
 FOR CONTAINERS < 1 GALLON : Cleaning Compound

HMIS Hazardous Materials Identification System

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)
 This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
None	None	None

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
None	None	None

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product