



CLEANING MANAGEMENT SYSTEM

#2 Glass Cleaner is designed to be used with the Cleanworks® Cleaning Management System. The system dispenses precisely diluted glass cleaner with the touch of a button...ready to use in spray or wipe-on applications. Highly concentrated formula saves storage space and helps reduce disposal costs. Cleanworks® is simple, accurate and safer to use.

The cleanworks® Cleaning Management System is subject of U.S. Patents No. 5037003, 5083677, & 5228598

1.800.527.5722
www.cleanworks.net

2 GLASS CLEANER

Why it's a better cleaner

The Cleanworks® System dispenses it right...every time.

- Institutional strength glass cleaner - Removes smudges and greasy fingerprints
- Multi-surface cleaner - Use on glass, chrome, plastic and more
- Anti-fogging property - Provide a clear surface
- Nonammoniated - Effective cleaner without harsh odor
- Fast drying - No streaks, no film
- Nonstatic - Repels dust
- Mild floral fragrance - Pleasant to use



How it cleans



Dispense precisely diluted glass cleaner into an empty and properly labeled RTU #2 Glass Cleaner container.



Spray a light mist or wipe on automatically diluted solution onto surface to be cleaned.



Polish dry with a clean, dry, soft wiper. Always pretest painted surfaces in an inconspicuous spot for colorfastness. (Not recommended for wood surfaces.)



Dispense 105 quarts or 26 gallons of ready-to-use cleaner from the 1.25 gallon concentrate of Cleanworks® #2 Glass Cleaner.

Where it cleans

- Windows
- Mirrors
- Chrome
- Aluminum
- Stainless steel
- Glazed porcelain
- Glass
- Enamel
- Plastic
- Appliances
- Virtually every hard surface

Technical Data

Packaging (concentrate) 1.25 Gallon
 Concentrate Color Dark Blue
 RTU Color Light Blue
 RTU Fragrance Floral
 Foaming Moderate
 Free-Rinsing Yes
 Ammoniated No
 Caustic None
 % Phosphates None
 RTU pH 7.0

SECTION 1 - PRODUCT

NAME: CLEANWORKS #2
GLASS CLEANER (Concentrate)
Product No.: 2
Product Type: Glass Cleaner REFILL - CONCENTRATE

HMIS HAZARD RATING		0-LEAST / MÍNIMO
HEALTH SALUD	2	1-SLIGHT / LIGERO
FLAMMABILITY INFLAMABILIDAD	3	2-MODERATE / MODERADO
REACTIVITY REACTIVIDAD	0	3-HIGH / SERIO
PERSONAL PROTECTION PROTECCION PERSONAL	B	4-EXTREME / MUY GRAVE
		B- glasses/lentes gloves/guantes

SECTION 2 - HAZARDOUS INGREDIENTS

*2-butoxyethanol CAS #111-76-2 Wt%=76.9
Ethanol CAS #64-17-5 Wt%=11.4

SECTION 3 - HEALTH HAZARD & FIRST AID

- Acute Health Effect: Minimal
- Chronic Health Effect: NO
- Carcinogen: NO
- Primary Entry Routes:
 - Skin & Eyes: *EYE IRRITANT. Avoid eye and prolonged skin contact.
 - Ingestion: May be harmful.
 - Inhalation: Inhalation of vapor or mist may be irritating.
- First Aid:
 - Skin: Remove contaminated clothing-wash skin with soap and water. If irritation persists get medical attention.
 - Eyes: Wash eyes with large volumes of water for at least 15 minutes while lifting the upper and lower eyelids and rotating the eyeball. Get immediate medical attention.
 - Ingestion: Give large volumes of water. Do not induce vomiting. Get medical attention.
 - Inhalation: Move to fresh air. If symptoms persist seek medical attention.

SECTION 4 - PHYSICAL & CHEMICAL CHARACTERISTICS

1. Physical State: Liquid
2. Color: Dark Blue
3. Odor: Glycol ether/alcohol/floral
4. Solubility in water: Complete
5. Specific Gravity (H2O=1.0): 0.910
6. pH: 8.0
7. Freezing Point: N/A
8. Flash Point: 110°F (PMCC)
9. Vapor Pressure: N/A

SECTION 5 - FIRE AND EXPLOSION HAZARD

- Flash Point: 110°F (PMCC)
- Extinguishing Media: Water, Foam, CO2
- Special Fire Fighting Procedures: None
- Unusual Fire & Explosion Hazard: Fire fighters should observe all precautions that apply to any fire where chemicals are stored.

SECTION 6 - REACTIVITY DATA

- Stability: Stable
- Conditions to Avoid: None known

SECTION 7 - SPILL OR LEAK PROCEDURES

- If product leaks or spills - Flood area with water-mop up dispose to sanitary sewer.
- Abide by Federal, State, and Local regulations.

SECTION 8 - PERSONAL PROTECTION

- Wear goggles.
- Wear rubber gloves.

SECTION 9 - SPECIAL PRECAUTIONS

- Store containers tightly closed and in an upright position.
- Do not destroy or deface the label.

SECTION 10 - SECTION 313 SUPPLIER NOTIFICATION (SARA)

This product contains the following toxic chemicals 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:

*2-butoxyethanol CAS #111-76-2 Wt%=76.9

SECTION 11 - TOXICOLOGICAL INFORMATION

None

SECTION 12 - ECOLOGICAL INFORMATION

None

SECTION 13 - DISPOSAL CONSIDERATIONS

- See Section 7 above.

SECTION 14 - DOT TRANSPORT INFORMATION

- This product is in Package Group III
- Liters and smaller are classed as CONSUMER COMMODITY ORM-D thus are exempt from regulation.
- Larger sizes ARE regulated.
- The Bill of Lading - Proper Shipping Name: Flammable liquids, n.o.s. (Contains Ethanol), 3, UN1993, III.

SECTION 15 - OTHER REGULATORY INFORMATION

All ingredients appear on the TSCA Inventory List.

SECTION 16 - OTHER INFORMATION

*Revision on 3/17/03 in Sec. 2 and 10.

- N/A = Not Applicable
- PMCC = Pensky Martin Closed Cup
The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.
- Manufactured by: Carroll Company, Garland, TX, 1-800-527-5722

SECTION 1 - PRODUCT

NAME: CLEANWORKS #2
GLASS CLEANER (Ready-to-Use)
Product No.: 2
Product Type: Glass Cleaner DILUTED - READY TO USE

HMIS HAZARD RATING		0-LEAST / MÍNIMO
HEALTH SALUD	2	1-SLIGHT / LIGERO
FLAMMABILITY INFLAMABILIDAD	0	2-MODERATE / MODERADO
REACTIVITY REACTIVIDAD	0	3-HIGH / SERIO
PERSONAL PROTECTION PROTECCION PERSONAL	B	4-EXTREME / MUY GRAVE
		B glasses/lentes gloves/guantes

SECTION 2 - HAZARDOUS INGREDIENTS

2-butoxyethanol CAS #111-76-2 Wt%=3.7
Ethanol CAS #64-17-5 Wt%=0.54

SECTION 3 - HEALTH HAZARD & FIRST AID

- Acute Health Effect Minimal
- Chronic Health Effects YES
- Carcinogen NO
- Primary Entry Routes:
 - Skin & Eyes: EYE IRRITANT. Avoid eye and prolonged skin contact.
 - Ingestion: May be harmful.
 - Inhalation: Inhalation of vapor or mist may be irritating.
- First Aid:
 - Skin: Remove contaminated clothing-wash skin with soap and water. If irritation persists get medical attention.
 - Eyes: Wash eyes with large volumes of water for at least 15 minutes while lifting the upper and lower eyelids and rotating the eyeball. Get immediate medical attention.
 - Ingestion: Give large volumes of water. Do not induce vomiting. Get medical attention.
 - Inhalation: Move to fresh air. If symptoms persist seek medical attention.

SECTION 4 - PHYSICAL & CHEMICAL CHARACTERISTICS

- Physical State Liquid
- Color Blue
- Odor Floral
- Solubility in water Complete
- Specific Gravity (H2O=1.0) 0.998
- pH 7.0
- Freezing Point N/A
- Flash Point >212 °F (PMCC)
- Vapor Pressure N/A

SECTION 5 - FIRE AND EXPLOSION HAZARD

- Flash Point >212 °F (PMCC)
- Extinguishing Media N/A
- Special Fire Fighting Procedures None
- Unusual Fire & Explosion Hazard Fire fighters should observe all precautions that apply to any fire where chemicals are stored.

SECTION 6 - REACTIVITY DATA

- Stability Stable
- Conditions to Avoid None known

SECTION 7 - SPILL OR LEAK PROCEDURES

- If product leaks or spills - Flood area with water-mop up dispose to sanitary sewer.
- Abide by Federal, State, and Local regulations.

SECTION 8 - PERSONAL PROTECTION

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2-butoxyethanol CAS #111-76-2 Wt%=3.7

SECTION 11 - TOXICOLOGICAL INFORMATION

None

SECTION 12 - ECOLOGICAL INFORMATION

None

SECTION 13 - DISPOSAL CONSIDERATIONS

- See Section 7 above.

SECTION 14 - DOT TRANSPORT INFORMATION

- This diluted product is not to be shipped and is to be used on site.

SECTION 15 - OTHER REGULATORY INFORMATION

All ingredients appear on the TSCA Inventory List.

SECTION 16 - OTHER INFORMATION

- N/A = Not Applicable
 - PMCC = Pensky Martin Closed Cup
- The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.
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