

WALTER E. NELSON CO.

MATERIAL SAFETY DATA SHEET

LONG SHOT

Concentrated Glass Cleaner

Date Prepared: 09-01-01 By Charles D. Werner

SECTION 1 - PRODUCT IDENTIFICATION

Distributor Name: Walter E. Nelson Company	Emergency Phone No: 1-800-228-5635 ext. 059
Address: 5937 N. Cutter Circle, Portland, OR 97217	
Trade Name: LONG SHOT	Product Type: GLASS CLEANER CONCENTRATE
Product code: FLCGCPPX	Formula:

SECTION 2 - HAZARDOUS INGREDIENTS

Chemical Name/Common Name:	CAS NO.	PERCENT	EXPOSURE LIMIT (Source)
Dipropylene Glycol Monomethyl Ether	34590-94-8	5 - 10	100 PPM PEL (OSHA)
Isopropyl alcohol LC ₅₀ 22,600 PPM INH (rat), LD ₅₀ (oral-rat) 5,045 mg/kg	67-63-0	20	400 PPM PEL(OSHA)
No toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present			

SECTION 3 - PHYSICAL DATA

Boiling Point: (F) 212	Specific Gravity: (H ₂ O = 1.0): 0.91	pH: 11.0 -12
Vapor Pressure: (mm/Hg) heavier than air	Vapor Density: (AIR =1.0): 2.1	
Solubility In Water: Complete		
Evaporation Rate (Vs BUTYL ACETATE = 1.0): greater than 1.0		
Appearance and Odor: Liquid, non-viscous, pink color and MILD fragrance		

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.): APPROXIMATELY 100 F	FLAMMABLE LIMITS /% VOLUME IN AIR: UPPER: 2, LOWER 12.7%
Extinguishing Media: Use water fog, "alcohol" Foam, Dry Chemical or CO ₂ .	
Special Fire Fighting Procedures: FLAMMABLE. Clear area of unprotected personnel. Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers.	
Unusual Fire and Explosion Hazards: Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup, which could result in container rupture.	

SECTION 5 - REACTIVE DATA

Stability: Stable	Incompatibility: non-reactive.
Hazardous Decomposition Products: carbon monoxide and unidentified organic compounds may be formed during combustion.	

SECTION 6 - HEALTH HAZARDS

Threshold Limit Value - Product (See Section 2 for Ingredient TLV)	None Established
Primary Routes of Exposure: Eye - yes Skin-No Oral-yes Inhalation-yes Other	
Signs and Symptoms of Over-exposure (Acute): EYES: Contact with concentrate will irritate the eyes. SKIN: Mildly irritating to the skin. INHALATION: May cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system depression. INGESTION: Generally considered to have a low order of acute oral toxicity. Irritation as noted above, early to moderate CNS depression may be evidenced by giddiness, headache, dizziness, and nausea	
Symptoms of Over-exposure (Chronic): Dipropylene Glycol Monomethyl Ether has shown minor kidney and liver damage in lab animals.	
Medical Conditions Aggravated by Over-exposure: Persons with pre-existing skin disorders, eye problems, and impaired respiratory function may more susceptible to effects.	
Carcinogen or Suspect Carcinogen Ingredients: NTP - NO IARC - NO OSHA - NO NONE	

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with immediately with lots of running water for at least 15 minutes holding eyelids open. Get medical attention.
Skin: Wash skin with soap and water. Remove contaminated clothing & shoes. Wash before reuse.
Ingestion: DO NOT INDUCE VOMITING.. If vomiting occurs spontaneously, keep victims head below his hips to prevent his breathing vomitus into his lungs. Call physician or poison control center immediately, treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.
Inhalation: Get to fresh air. Get medical attention if breathing is difficult.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: not normally required	Ventilation Requirements: Adequate ventilation required.
Protective Gloves: not normally required, to be used to minimize contact.	Eye Protection: Not normally required. Recommended if used overhead or misting or spraying.

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled: WARNING FLAMMABLE -- ELIMINATE ALL IGNITION SOURCES. handling equipment must be ground before using to prevent sparking. For small spills, mop or wipe up and contain. For large spills, contain by diking with absorbent material and contain.
Waste Disposal Methods: Note that the contaminates of the product must be consider when disposing. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage: FLAMMABLE -- KEEP AWAY FROM HEAT AND FLAME. Do not mix chemicals. This product is NON-HAZARDOUS for transport according to DOT/UN regulations. Note: solutions of alcohol containing 24% or less alcohol and at least 50% water maybe reclassified as a combustible, and are excepted from flammable labeling. Keep container tightly closed when not in use.
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WALTER E. NELSON COMPANY

LONG SHOT CONCENTRATED Glass Cleaner

Description:

LONG SHOT is a highly concentrated glass and surface cleaner.

LONG SHOT contains special surfactants and wetting agents which allow it to be very effective when diluted at 64:1.

LONG SHOT will not leave a film, wax or residue when used as directed.

WENCO Brand CLEANING SYSTEMS



Use Directions:

WINDOWS:

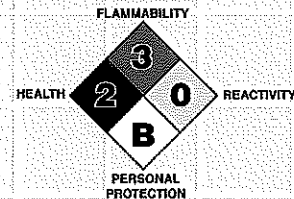
1. To make ready-to-use glass cleaner, dilute 2 oz. per gallon of water.
2. Spray directly onto surface, hold sprayer 8 - 12 inches from the area to be cleaned.
3. Allow to penetrate, and wipe dry with a clean, soft cloth.

LIGHT CLEANING:

1. Dilute 2 oz. per gallon of water. Use for spot cleaning dirt, fingerprints. Safe on all surfaces.

TECHNICAL DATA

Color: Pink
Odor: Isopropanol
Specific Gravity: 0.975
Density: 8.1 lbs/gal
pH: 11.0 - 12.0
Viscosity: Non-Viscous
Stability: 1 Year Min.
Flash Point (TCC): Approx 100°F
Isopropanol: 20%



Available Packages:

✓ **4x1 Gallon Case**

Walter E. Nelson Co. Corporate
Portland, OR 97217
(503) 285-3037

Coastal Paper & Supply
North Bend, OR 97459
(541) 756-8770

Crown Paper & Janitorial Supply
Walla Walla, WA 99362
(509) 529-4561

Walter E. Nelson Seattle Branch
Kirkland, WA 98034
(425) 814-2665

Walter E. Nelson Eugene Branch
Eugene, OR 97402
(541) 344-0651

Astoria Janitor & Paper Supply Co.
Astoria, OR 97103
(503) 325-6362

Barco Supply
Klamath Falls, OR 97601
(541) 884-9064 - (800) 642-2571

Juniper Paper & Supply
Bend, OR 97702
(541) 312-4070

Walter E. Nelson Spokane Branch
Spokane, WA 99202
(509) 755-0870