

# MIGHTY MAC BRAND

# VEHICLE WASH

## DESCRIPTION

This unique product removes dirt, grime, and traffic film in one application. Instantly removes that tough layer of road soil and residue that seems to bond to vehicle surfaces. Can be applied with a pressure washer, steam cleaner, automatic car wash, or other available methods. Cleans right down to the paint without manual brushing. If using automatic brushes, this product will clean effectively and often faster than currently available products without brush damage.

## DIRECTIONS

Completely effective in hard or soft, hot or cold water. This product must be diluted with water before use. Not to be used for hand-washing of vehicles. Do not allow product to dry on surface. For best results on vertical surfaces, apply product from bottom up. Pressure rinse from bottom up also. Final rinse from top down.

*LIGHT SOIL:* Use 1 to 2 ounces per gallon of water.

*AVERAGE SOIL:* Use 2 to 4 ounces per gallon of water.

*HEAVY SOIL:* Use 4 to 6 ounces per gallon of water.

More or less cleaner can be used as required by soiling conditions. After cleaning, rinse thoroughly with water to wash away the loosened soils and leave the vehicle surface beautifully clean and bright.

## PRODUCT SPECIFICATIONS

<b>Base:</b>	Sequestering agents
<b>Color:</b>	Blue
<b>Odor:</b>	Mild
<b>pH:</b>	12.5 - 13.0
<b>Viscosity:</b>	Slightly viscous
<b>Foam:</b>	Low to moderate
<b>Abrasives:</b>	None
<b>Phosphate Content:</b>	None
<b>Solubility:</b>	Complete with water
<b>Emulsification:</b>	Excellent
<b>Detergency:</b>	Excellent
<b>Rinsability:</b>	Excellent
<b>Flash Point:</b>	None
<b>Biodegradability:</b>	Complete
<b>Storage/Stability:</b>	2 years
<b>Weight per Gallon:</b>	8.85 lbs./gal.
<b>Freeze / Thaw Stability:</b>	Keep from freezing



**Reorder#**  
**12-0480**



## SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

**Product Name:** Vehicle Wash  
**Generic Name:** Vehicle & Transportation Wash  
**Chemical Family:** Detergent Blend  
**Formula:** Proprietary

**Suppliers Name:** Michco  
**Suppliers Address:** 2011 N. High St., Lansing, MI 48906  
**Suppliers Website:** www.Michco.com

## SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Tetrasodium EDTA	64-02-8	5 to 10			
Nonionic Surfactant	9016-45-9	20 to 25			
Anionic Surfactant	1300-72-7	0 to 5			

## SECTION 3-PHYSICAL DATA

**Boiling Point (°F):** 210 F.  
**Vapor Pressure:** 20mm Hg @ 68 F.  
**% Volatile:** 65+  
**Solubility in Water:** Complete  
**Physical Description:** Thin clear liquid with characteristic odor.

**Specific Gravity:** 1.095  
**Vapor Density (Air=1):** >1  
**pH:** 12.0 – 12.5  
**Evaporation Rate (Water=1):** <1

## SECTION 4-FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** N/A  
**Upper Explosion Limit:** N/A  
**Extinguishing Media:** N/A  
**Special Firefighting Procedures:** Non Flammable  
**Unusual Fire and Explosion Hazards:** N/A

## SECTION 5-REACTIVITY DATA

**Stability:** Stable

**Hazards Decomposition Products:** Will not occur.

**Hazardous Polymerization:** None

**Incompatibility (Materials to Avoid):** Strong acids and oxidizers.

## SECTION 6-STORAGE AND HANDLING INFORMATION

Keep out of reach of children. For use by trained personnel only. Keep unauthorized personnel away when applying by sprayer. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Avoid breathing of mists. Use in well-ventilated area. Wear protective eyewear where danger of mist contact may occur. Wear rubber gloves when handling concentrate or if contact with use dilution may occur. Wear protective clothing where danger of mist contact may occur.

## SECTION 7-HEALTH HAZARDS AND FIRST AID

**Effects of Overexposure:**

**Skin:** Skin Irritant. Prolonged or repeated contact will cause dermatitis.

**Eyes:** Eye irritant. May cause redness or swelling, possible damage.

**Inhalation:** Breathing of mists may cause irritation to nose, throat and lungs.

**Ingestion:** May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected with large doses.

**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:** Remove victim to fresh air. Seek medical attention if symptoms persist.

**Ingestion:** Dilute with 2 glasses of water. Seek medical attention if symptoms persist.

## SECTION 8-SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** NIOSH/MSHA Approved HEPA cartridge for mists  
**Ventilation Requirements:** Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.

**Protective Gloves:** Chemical resistant rubber or viton.

**Eye Protection:** Chemical splash goggles or full-face shield recommended.

**Other Protective Equipment:** Eyewash station should be provided nearby.

Protective outerwear should be worn where danger of mist contact may occur.

## 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. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to 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. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

## 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

FOR 1 GALLON CONTAINERS :Cleaning Compound

FOR CONTAINERS < 1 GALLON : Cleaning Compound

**HMIS Hazardous Materials Identification System**

<b>Health</b>	<b>2</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</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	

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	

## 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