

MATERIAL SAFETY DATA SHEET



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Water Spot Remover

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Water Spot Remover
PRODUCT DESCRIPTION: Hard water spot remover
PRODUCT CODE: 600
PRODUCT FORMULATION NAME: Water Spot Remover
GENERIC NAME: hard water spot remover

MANUFACTURER

Auto Wax Company, Inc.
Auto Magic®
1275 Round Table Drive
Dallas, TX 75247
Product Stewardship: 1-214-631-4000
Transportation: 1-800-826-0828
Auto Wax Company, Inc.
Auto Magic®

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
CANUTEC: (613) 996-6666
Emergency Phone: 1-800-826-0828

COMMENTS: To the best of our knowledge, this Material Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200.

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Hydrofluoric Acid	1 - 5	7664 -39-3	
Phosphoric Acid	15 - 30	7664-38-2	
2-Butoxyethanol	1 - 5	111-76-2	

COMMENTS: Product composition ranges shown are typical values for health, safety and environmental use and are not intended as specification.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Caution! Causes Eye And Skin Irritation. Harmful or fatal if swallowed

POTENTIAL HEALTH EFFECTS

EYES: Substance causes severe eye irritation. Injury may be permanent.

SKIN: Causes severe skin irritation.

SKIN ABSORPTION: Harmful if absorbed through skin.

INGESTION: This material may be harmful or fatal if swallowed.

INHALATION: Can cause severe respiratory irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Eye contact may cause burns, irritation, tearing and corneal damage.

SKIN: Skin contact may cause severe burns.

INGESTION: May be harmful or fatal if swallowed. May cause chemical burns to mouth, throat, and gastrointestinal tract.

INHALATION: Prolonged inhalation of vapors may cause burns to nasal passages, respiratory tract and lungs.

ACUTE TOXICITY: Extremely irritating to the skin and mucous membranes. Inhalation of the vapors may cause ulcers of the upper respiratory track.
Produces severe skin burns which may not be immediately visible or painful.

CHRONIC: not available

CARCINOGENICITY: not available

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: not available

MEDICAL CONDITIONS AGGRAVATED: not available

ROUTES OF ENTRY: include skin contact, eye contact and ingestion

TARGET ORGAN STATEMENT: not available

CANCER STATEMENT: not available

4. FIRST AID MEASURES

EYES: Flush with neutralizer solution for 15 minutes. Seek medical attention immediately.

SKIN: Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention immediately.

INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

ADDITIONAL INFORMATION: May cause severe burns which may not be immediately painful or visible. In all cases seek medical attention immediately.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: none

FLAMMABLE LIMITS: not available

FLAMMABLE CLASS: Material will not burn.

EXTINGUISHING MEDIA: use water, foam, dry chemical or carbon dioxide extinguisher

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide and Carbon Dioxide

EXPLOSION HAZARDS: none expected

AUTOIGNITION TEMPERATURE: not available

FLAMMABLE LIMIT: not available

SENSITIVE TO STATIC DISCHARGE: none

SENSITIVITY TO IMPACT: none

HAZARDOUS DECOMPOSITION PRODUCTS: not available

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Neutralize spill. Contain and collect with absorbent.

LARGE SPILL: LARGE SPILLS: Shut off leak if safe to do so. Contain material to avoid run off, neutralize material and collect spill with absorbent.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

GENERAL PROCEDURES: Do not get in eyes, on skin or clothing.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep out of reach of Children.

HANDLING: none

STORAGE: Do not allow to freeze

STORAGE TEMPERATURE: 0°C (32°F) minimum to 60°C (140°F) maximum

SHELF LIFE: one year

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		<u>EXPOSURE LIMITS</u>					
		<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
		<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
Hydrofluoric Acid	TWA	3		3			
	STEL			6			
Phosphoric Acid	TWA		1		1		
2-Butoxyethanol	TWA	50	240	25 ^[1]	121		

OSHA TABLE COMMENTS:

1. skin

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles.

SKIN: Use Nitrile/ Vinyl gloves/ rubber

RESPIRATORY: NIOSH respirator - in absence of proper environmental controls.

PROTECTIVE CLOTHING: Clean, body-covering clothing and chemical resistant apron

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: glycol ether odor

APPEARANCE: Clear Liquid

pH: <2

PERCENT VOLATILE: Not Available

VAPOR PRESSURE: Not Available

VAPOR DENSITY: >1 (Air=1)

BOILING POINT: Not Available

FREEZING POINT: Not Available

SOLUBILITY IN WATER: 100 %

SPECIFIC GRAVITY: ~1.14 gm/ml d25/4

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

11. TOXICOLOGICAL INFORMATION

SENSITIZATION: not established

CARCINOGENICITY:

IARC: Listed by IARC- NO

NTP: Listed by NTP- NO

OSHA: Listed by OSHA- NO

MUTAGENICITY: not available

REPRODUCTIVE EFFECTS: not available

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: not available

ECOTOXICOLOGICAL INFORMATION: not available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with local, state, and federal laws.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (CONTAINING HYDROFLUORIC ACID)

TECHNICAL NAME: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (CONTAINING HYDROFLUORIC ACID)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 3264

PACKING GROUP: III

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



DOT Corrosive

CANADA

WHMIS HAZARD SYMBOL AND CLASSIFICATION



WHMIS Corrosive



WHMIS Poison



WHMIS Toxic

16. OTHER INFORMATION

PREPARED BY: Tony Casmus

REVISION SUMMARY New MSDS

HMIS RATING

HEALTH:	-	3
FLAMMABILITY:		0
PHYSICAL HAZARD:		1
PERSONAL PROTECTION:		

NFPA CODES

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