

MATERIAL SAFETY DATA SHEET

According to 29 CFR 1910.1200(g)



Date Issued: 02/19/2001
 MSDS No: 10600
 Date-Revised: 08/24/2011
 Revision No: 6

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 - An ITW Company
 Auto Magic®
 1275 Round Table Drive
 Dallas, TX 75247
Emergency Phone: 1-800-826-0828
Transportation: 1-800-826-0828
Service Number: 1-214-631-4000
 Auto Wax - An ITW Company
 Auto Magic®

24 HR. EMERGENCY TELEPHONE NUMBERS

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. 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 EFFECTS: 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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Water Spot Remover

Chemical Name	Wt.%	CAS	EINECS	Classification
Hydrofluoric Acid	1 - 5	7664 -39-3		
Phosphoric Acid	15 - 30	7664-38-2		
2-Butoxyethanol	1 - 5	111-76-2	203-905-0	Xn/Xi; R20/21/22- 36/38

4. FIRST AID MEASURES

EYES: Flush eye with water for 15 minutes. Get medical attention.

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

Notes: not available

AUTOIGNITION TEMPERATURE: 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

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. Proper disposal of absorbent is required after use.

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 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Hydrofluoric Acid	TWA	3 ppm		3 ppm	
	STEL			6 ppm	
Phosphoric Acid	TWA		1 mg/m ³		1 mg/m ³
2-Butoxyethanol	TWA	50 ppm ^[1]	240 mg/m ³ ^[1]	25 ppm ^[1]	121 mg/m ³ ^[1]
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

Chemical Name	Flash Point (°C)	Boiling Point (°C)	Specific Gravity
2-Butoxyethanol	141	171	0.9

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

FLASHPOINT AND METHOD: none

SOLUBILITY IN WATER: 100 %

SPECIFIC GRAVITY: ~ 1.140 gm/ml d25/4

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

11. TOXICOLOGICAL INFORMATION

ACUTE

Water Spot Remover

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Hydrofluoric Acid			~ 1276 ppm/Hr-rat
2-Butoxyethanol	~ 0.47 g/Kg-rat	~ 0.22 g/kg - rabbit	> 700 ppm/ 4H- rat

CARCINOGENICITY**IARC:** Listed by IARC- NO**NTP:** Listed by NTP- NO**OSHA:** Listed by OSHA- NO**SENSITIZATION:** not established**REPRODUCTIVE EFFECTS:** not available**MUTAGENICITY:** 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)****OTHER SHIPPING INFORMATION:** Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.**15. REGULATORY INFORMATION****UNITED STATES****TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA REGULATORY:** All Ingredients are on the TSCA Inventory or are not required to be listed on the TSCA Inventory**CANADA****WHMIS HAZARD SYMBOL AND CLASSIFICATION**

Corrosive



Poison

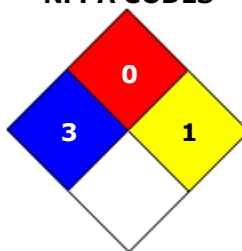


Toxic

16. OTHER INFORMATION**PREPARED BY:** Tony Casmus**REVISION SUMMARY:** This MSDS replaces the 08/24/2011 MSDS.

HMIS RATING

HEALTH	-	3
FLAMMABILITY		0
PHYSICAL HAZARD		1
PERSONAL PROTECTION		

NFPA CODES

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