

# MATERIAL SAFETY DATA SHEET 991



Date-Issued: 11/06/02  
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## Water Spot Remover

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Water Spot Remover  
**PRODUCT DESCRIPTION:** Water Spot Remover  
**PRODUCT CODE:** 991  
**PRODUCT FORMULATION NAME:** Water Spot Remover  
**GENERIC NAME:** Water Spot Remover

#### MANUFACTURER

Southwest Auto Care ®  
Autocare™  
17054 South 54<sup>th</sup> Street  
Chandler, Arizona 85226-4118

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**INFOTRAC (U.S.):** (800) 535-5053  
**Office Phone:** (480) 705-0273  
**Emergency Phone:** (888) 846-2442

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

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>	<u>EINECS#</u>
Hydrofluoric Acid	5	7664-39-3	
2-Butoxyethanol	1 – 5	111-76-2	
Sulfuric Acid	>1	7664-93-9	

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

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### 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

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### **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:** Do not induce vomiting. Seek medical attention immediately.

**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.

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### **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 Co2 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

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### **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.

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### **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 6060°C (140°F) maximum

**SHELF LIFE:** one year

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### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**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.

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### **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:** Not Available

**BOILING POINT:** Not Available

**FREEZING POINT:** Not Available

**SOLUBILITY IN WATER:** 100 %

**EVAPORATION RATE:** Not Available

**SPECIFIC GRAVITY:** ~1.04 gm/ml d25/4

**VISCOSITY:** Not Available

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### **10. STABILITY AND REACTIVITY**

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

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## 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

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## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not available

**ECOTOXICOLOGICAL INFORMATION:** Not available

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## 13. DISPOSAL CONSIDERATIONS

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

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## 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:** 1790

**PACKING GROUP:** II

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## 15. REGULATORY INFORMATION

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## 16. OTHER INFORMATION

**PREPARED BY:** Jim Kinzy

**REVISION SUMMARY** New MSDS

**HMIS RATING**

<b>HEALTH:</b>	-	<b>3</b>
<b>FLAMMABILITY:</b>		<b>0</b>
<b>REACTIVITY:</b>		<b>2</b>
<b>PERSONAL PROTECTION:</b>		

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