



Meguiar's USA  
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In case of **emergency or spill**, contact CHEMTREC at 800-424-9300

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name:** D31 - Wheel Brightner

**Print date:** 10/01/2003

**Reference Number:** None

**Prepared Date:** 05/17/2002

**Use of the Substance/Preparation**

**Recommended use:** Maintenance product.

**Company/Undertaking Identification**

**Meguiar's Holland**  
 Laan der Verenigde Naties 40  
 33174 DA Dordrecht  
 Holland  
 Tel: 31-78-6210268

**Meguiar's Hong Kong**  
 Suite 6-7, 20/F Marina House  
 68 Hing Man Street  
 Shaukeiwan  
 Hong Kong  
 Tel: 852-2967-0202

**Meguiar's France**  
 79 avenue Edouard Vaillant  
 92100 BOULOGNE  
 France  
 Tel: 33-1-46-10-47-81

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature of the preparation**

Components	CAS #	% Weight	OSHA PEL TWA	EINECS No.	Classification
Conditioners	TS	1-5	None	---	---
Ammonium Biflouride	1341-49-7	1-2	None	215-676-4	C;R34 T;R25
Proprietary Surfactant Blend	TS	1-10	None	---	---
Water	7732-18-5	75-95	None	231-791-2	

### 3. HAZARDS IDENTIFICATION

**Most important hazards:**

This product is for use by professional car washes and detailers only and is NOT intended for home use. Harmful if swallowed. Harmful; may cause lung damage. Corrosive. This product contains chemicals listed on Canada WHMIS. See Section 15.

## 4. FIRST AID MEASURES

<b>General Advice:</b>	Keep under medical supervision for at least 48 hours. Call a physician immediately.
<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of vapours. Consult a physician.
<b>Skin contact:</b>	Remove and wash contaminated clothing before re-use Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
<b>Eye contact:</b>	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>Ingestion:</b>	Drink plenty of water. Do not induce vomiting. Possible aspiration hazard Consult a physician.

## 5. FIRE-FIGHTING MEASURES

**NFPA:**

**Health:** 3

**Flammability:** 0

**Reactivity:** 1

**Suitable extinguishing media:**

Use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

**Extinguishing media which must not be used for safety reasons:**

Not applicable

**Specific hazards:**

Heating can release hazardous gases.

**Special protective equipment for firefighters:**

Standard procedure for chemical fires. In the event of fire and/or explosion do not breathe fumes. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

**Specific methods:**

Not applicable

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing.
<b>Environmental precautions:</b>	Do not contaminate surface water. Prevent further leakage or spillage. Local authorities should be advised if significant spillages cannot be contained.
<b>Methods for cleaning up:</b>	Wear personal protective equipment. Clean-up methods - small spillage: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum.

## 7. HANDLING AND STORAGE

**Handling:**

**Technical measures/precautions:**

No special technical protective measures required..

**Safe handling advice:**

None under normal processing.

**Storage:**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Do not freeze.

**Incompatible products:**

Do not store together with acids or oxidizers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:** Ensure adequate ventilation.

**Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment.

**Skin and body protection:** Immediately remove contaminated clothing.

**Eye protection:** Avoid contact with eyes. If splashes are likely to occur, wear: Goggles

**Hand protection:** Preventive skin protection: Neoprene Gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

**Appearance:** Liquid

**Color:** Violet

**Physical state:** Liquid

**Odor:** Mild

### Important Health Safety and Environmental Information

<b>pH @70° F:</b>	5.5	
<b>Flash point:</b>	212 (°F), 100 (°C)	<b>Method:</b> PMCC-ASTM D93-90
<b>Boiling point/range:</b>	210 (°F), 99 (°C)	
<b>Water Solubility:</b>	Completely soluble	
<b>Vapor density:</b>	N/A	
<b>Density:</b>	1.04	
<b>Evaporation rate:</b>	Water	
<b>VOC content:</b>	6%	

### Other information:

**Specific gravity:** 1.04

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions.

**Polymerization:** None known

**Conditions to avoid:** Extremes of temperature and direct sunlight. Reacts to metals/glass to form hydrofluoric acid

**Materials to avoid:** Strong acids,. Oxidizing agents. Strong alkalis.

**Hazardous decomposition products:** Organic acids.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Component Information

**Additional Information:** Corrosive. Swallowing will lead to strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product Information

**Aquatic toxicity:** No information available

#### Component Information

**Ecotoxicity effects:** The aqueous medium should be given appropriate treatment as waste water in line with local regulations.

## 13. DISPOSAL CONSIDERATIONS

### **Waste from residues / unused products:**

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

### **Contaminated packaging:**

Disposal must be made according to local and federal regulations.

### **Ewc waste disposal no:**

Not applicable

### **Further information**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

## 14. TRANSPORT INFORMATION

### **General Transportation Statement**

Shipping requirements listed below:

**UN-No:**

1760

**Labels:**



### **ADR/RID:**

**Proper shipping name:** Corrosive Liquid, n.o.s. (ammonium bifluoride)

**Class:** 8

**Packing group:** III

### **Maritime transport IMDG:**

**Proper shipping name:** INSERT INFORMATION

**Class:** 8

**Packing group:** III

**EMS:** No data is available.

### **Air transport ICAO-TI and IATA-DGR:**

**Proper shipping name:** INSERT INFORMATION

**Class:** 8

**Packing group:** III

### **Other information:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## 15. REGULATORY INFORMATION

Components	TSCA	DSL/NDSL	Canada - WHMIS Classification
Conditioners TS			
Ammonium Biflouride 1341-49-7	XU	Present	E; D2B
Water 7732-18-5	XU	Present	

## 16. OTHER INFORMATION

**Prepared by:** Health & Safety  
**Literary reference:** None

**Disclaimer:** To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist

**End of Safety Data Sheet**