

**MATERIAL SAFETY DATA SHEET**

May be used to comply with OSHA  
Hazard Communication Standard  
29 CFR 1910.1200

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health  
Administration  
Form Approved OMB No. 1218-0072

**PRODUCT IDENTITY:** Wagner Premium Plus Brake Fluid (H-123) 21B SUPER HEAVY DUTY  
Glycol Ether Blend

**SECTION I****MANUFACTURER'S NAME**

Wagner Brake Division/Cooper Industries

**ADDRESS**

930 Roosevelt Parkway, Chesterfield, MO 63017

**DATE** January 1993**EMERGENCY TELEPHONE NUMBER:**

(314) 537-8700

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(314) 537-8700

**SECTION II - INGREDIENT INFORMATION/SECTION 313 SUPPLIER NOTIFICATION**

\*Identifies those listed ingredients which are subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Component	CAS Nos.	Range % by Wt.	ACGIH TLV	OSHA PEL	LD <sub>50</sub> /LC <sub>50</sub>
Polyethylene glycols	25322-68-3	1-5	N/E	N/E	>5.0 g/kg (oral) >10.0 g/kg (dermal)
Polypropylene glycols	25322-69-4	10-15	N/E	N/E	10.0 g/kg (oral) >10.0 g/kg (dermal)
Diethylene glycol	111-46-6	10-20	N/E	N/E	>5.0 g/kg (oral) 11.9 mL/kg (dermal)
Diethylene glycol monopropylether*	6881-94-3	5-10	N/E	N/E	6.7 g/kg (oral) 5.0 g/kg (dermal)
Diethylene glycol monobutylether*	112-34-5	10-15	N/E	N/E	>5.0 g/kg (oral) 2.7 g/kg (dermal)
Triethylene glycol monomethylether*	112-35-6	1-5	N/E	N/E	11.8 g/kg (oral) 7.4 g/kg (dermal)
Triethylene glycol monobutylether*	143-22-6	25-30	N/E	N/E	6.7 mL/kg (oral) 3.5 mL/kg (dermal)
Polyethylene glycol hexylether	112-59-4	5-10	N/E	N/E	>5.0 g/kg (oral) >5.0 g/kg (dermal)

Balance of inhibitor system in amounts less than 1%.

This information must be included in all MSDSs that are copied and distributed for this material.

**SECTION III - PHYSICAL PROPERTIES**

**Boiling Point:** 464°F  
**Vapor Pressure (mm Hg):** N/D  
**Vapor Density (air=1):** N/D  
**Solubility in Water:** Soluble  
**Appearance and Odor:** Clear, light amber liquid;  
mild odor

**Specific Gravity:** 0.98  
**Melting Point:** N/D  
**Evaporation Rate:** N/D  
**Volatility:** No Data  
**pH:** 8.9

N/D = Not Determined; N/E = Not Established

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**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**


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Flash Point: >200°F (COC)                      Flammable Limits: LEL - N/D                      UEL - N/D  
 Auto Ignition Temperature: N/D  
 Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide, halon  
 Special Fire-fighting Procedures: Fire fighters should wear full turnout gear and SCBA  
 Unusual Fire and Explosion Hazards: May form peroxides of unknown stability.

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**SECTION V - REACTIVITY DATA**


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Stable? Yes    Conditions to Avoid: Long-term storage or prolonged exposure to light may result in peroxide formation.  
 Incompatibility (Materials to Avoid): Oxidizing agents, strong acids, ammonium compounds, reducing agents  
 Hazardous Decomposition or By-products: Oxides of Carbon and Nitrogen, Sodium Monoxide  
 Hazardous Polymerization may occur? No    Conditions to Avoid: N/A

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**SECTION VI - HEALTH HAZARD DATA**


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Primary Route of Exposure: Inhalation, eye and skin contact, ingestion  
 Acute Signs and Symptoms of Overexposure: Causes mild skin irritation with dry patches and redness. Eye contact will cause tearing and burning of eye. Other health effects may include nausea, burning or irritated esophagus and stomach, edema (fluid retention). May include jaundice (yellowish skin color), abdominal pain, headache, dizziness, uncoordination, confusion and unconsciousness. Ingestion may be fatal. Material can be absorbed through skin in toxic quantities. Oral LD<sub>50</sub> (rats) - >5.0 g/kg.  
 Chronic Signs and Symptoms of Overexposure: May result in liver and kidney damage. Other health effects may include nausea, vomiting, drowsiness and fatigue.  
 Carcinogenicity? None known    Listed in - NTP: No    IARC: No  
 Medical Conditions Generally Aggravated by Exposure: None known  
 First Aid Procedures:  
 Eye - Hold eyelids open and flush eyes for 15 minutes with large quantities of water. Seek medical attention immediately.  
 Skin - Wash area with soap and water. Remove contaminated clothing. Seek medical attention.  
 Inhalation - Remove victim to fresh air. Restore breathing if necessary. Seek medical attention immediately.  
 Ingestion - If victim is conscious, give large quantities of water. Seek medical attention immediately.

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**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**


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Actions to take for Spills: Ventilate area. Use absorbent material and sweep or pick-up material and place in closed container.  
 Waste Disposal: Dispose of waste via a licensed disposal firm.  
 Precautions to be taken in Handling and Storage: Store in a well ventilated, cool, dry area away from oxidizing agents.  
 Other Precautions: If peroxide formation is suspected, do not open container.

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N/D = Not Determined; N/E = Not Established

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**SECTION VIII - EMPLOYEE PROTECTION MEASURES**

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**Ventilation:** Local ventilation is preferred. General ventilation is acceptable.

**Respiratory Protection:** If material becomes airborne or irritation occurs, use a NIOSH/OSHA approved respirator for organic vapors and mist in accordance with the OSHA respiratory protection requirements (29 CFR 1910.134).

**Eye Protection:** Safety goggles

**Protective Gloves:** Chemical resistant

**Other Protective Equipment:** Coveralls should be used where splash/spray likely.

**Work/Hygiene Practices:** Eyewash station and safety shower should be available in areas of use. Wash thoroughly after handling product.

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**DISCLAIMER**

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