



# MATERIAL SAFETY DATA SHEET

## Wynn's Super Heavy Duty DOT 4 Brake Fluid

WYNN'S  
A division of Illinois Tool Works Inc.  
1151 West Fifth Street  
Azusa, California 91702

**EMERGENCY TELEPHONE NUMBER:**  
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**INFORMATION TELEPHONE NUMBER:**  
Wynn's (626) 334-0231

### PRODUCT IDENTIFICATION

PRODUCT NAME	EFFECTIVE DATE	PRODUCT CODE
Wynn's Super Heavy Duty DOT 4 Brake Fluid	10-06-05	35401
CHEMICAL NAME	CAS NUMBER	
N/A	N/A	

### HAZARDOUS INGREDIENTS

COMMON NAME	CHEMICAL NAME	CAS NO.	%	OSHA PEL	ACGIH TLV-TWA
Blend of Glycols, Glycol Ethers and Inhibitors	Blend of Glycols, Glycol Ethers and Inhibitors	N/A	100	None Established	None Established

Contains no other ingredients now known to be hazardous as defined by OSHA 29CFR 1910.1000(z) and 29CFR 1910.1200.

### PHYSICAL DATA

These data are approximate or typical values and should not be used as precise specifications. Unless otherwise noted values are at 20°C(68°F) and 760 mmHg (1 atm).

<b>Boiling Point/Range</b>	499°F(259°C)	<b>Freeze Point</b>	N/D
<b>Specific Gravity (H<sub>2</sub>O=1) @ 15.6°C</b>	1.08	<b>Vapor Pressure (mm Hg)</b>	N/D
<b>Vapor Density (Air =1)</b>	N/D	<b>Solubility in Water (%)</b>	100%
<b>% Volatiles by Volume</b>	Negligible Volatility	<b>Evaporation Rate (Butyl Acetate = 1)</b>	N/D
<b>pH (as is)</b>	N/D	<b>pH (dilute) @ 50% in ethanol/water</b>	9.5
<b>Appearance</b>	Clear yellow liquid	<b>Odor</b>	Mild Glycol Ether

N/D - Not Determined

N/A - Not Applicable

< = Less Than

> = Greater Than

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## FIRE AND EXPLOSION HAZARD DATA

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**Flash Point** 241°F(116°C) **Method** Cleveland Open Cup ASTM D-92

**Flammable or Explosive Limits** (Approximate percent by volume in air)

Lower (LEL) N/D Upper (UEL) N/D

### Hazard Class Identification

	<b>Flammability</b> 1		<b>Hazard Code</b> 0 - Least (insignificant)
<b>Health</b> 1		<b>Reactivity</b> 0	1 - Slight
	<b>Other</b> --		2 - Moderate
			3 - High
			4 - Extreme

### Extinguishing Media

Water fog, alcohol foam, carbon dioxide and dry chemical. Do not use a direct spray of water.

### Special Fire Fighting Procedures

Use water to cool fire exposed containers. Fire fighters wear a self contained breathing apparatus with full face piece and protective equipment.

### Unusual Fire and Explosion Hazards

None known.

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## REACTIVITY DATA

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### Stability

Stable.

### Conditions to Avoid

Keep containers closed to avoid moisture pickup. Do not store at temperatures above 120°F.

### Materials to Avoid

Strong oxidizing agents, reducing agents, and strong acids.

### Hazardous Decomposition or Combustion Products

Thermal combustion will produce oxides of carbon and trace oxides of nitrogen.

### Hazardous Polymerization (conditions)

Will not occur.

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## HEALTH HAZARDS/ROUTES OF ENTRY

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### Signs, Symptoms and Effects of Overexposure

- Ingestion** (swallowing) Harmful or fatal if swallowed. Can result in central nervous system depression. Due to the low viscosity of this material, this material can enter the lungs directly by aspiration during swallowing or vomiting. If aspirated into the lungs, this material can cause severe lung damage or death.
- Skin Contact** Short contact may cause slight irritation. May absorb through skin as result on prolonged exposure.
- Eye Contact** Can cause eye irritation.
- Inhalation** (breathing) Vapors and mist may cause mucous membrane irritation.

### Other Effects of Prolonged/Repeated Overexposure

This material has not been identified as a carcinogen by NTP, IARC or OSHA. Repeated overexposure to vapors may result in central nervous system depression. Skin absorption can induce central nervous system depression.

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## EMERGENCY AND FIRST AID PROCEDURES

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- Ingestion** (swallowing) DO NOT induce vomiting. Give one or two glasses of water. Call a physician immediately.
- Skin Contact** Wash affected area with soap and water. Remove contaminated clothing.
- Eye Contact** Flush with water for 15 minutes. If irritation persists, call a physician.
- Inhalation** (breathing) Remove victim to fresh air. If respiratory symptoms develop, call a physician.
- Comments** NOTE TO PHYSICIANS: Aspiration into the lungs during ingestion or vomiting can result in severe pulmonary damage.

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## SPILL OR RELEASE CONTROL PROCEDURES

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### Steps to be taken in case material is released or spilled

Wear appropriate eye and skin protective equipment. Remove with absorbent material. Shovel into waste containers. Wash residue from spilled area with water. Prevent liquid from entering sewers and waterways.

### Waste Disposal Method

Dispose of in accordance with Federal, State and Local regulations.

### EPA Reportable Quantity (RQ), 40CFR302 (CERCLA104)

None.

**EPA Toxic Chemical Release Reporting, 40CFR372(SARA313)**

<b>Chemical</b>	<b>CAS NO.</b>	<b>% in Product</b>
Glycol Ethers	N/A	80-100

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## **HANDLING AND STORAGE**

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### **Handling and Storage Precautions**

**CAUTION:** Handle with care. Avoid skin and eye contact. Keep containers tightly closed. Store in cool, dry area. **KEEP OUT OF REACH OF CHILDREN.**

### **Other Precautions**

None.

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## **PERSONAL PROTECTION - EXPOSURE CONTROL**

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### **Ventilation**

Local exhaust is recommended in enclosed areas.

### **Respiratory Protection**

None required for normal use.

### **Eye Protection**

Safety glasses with side-shields.

### **Protective Gloves**

Impervious gloves, such as neoprene or heavy nitrile.

### **Other Protective Clothing or Equipment**

Impervious apron if there is a likelihood of splashing liquid onto the body.

### **Work/Hygienic Practices**

Personal cleanliness is always appropriate. Frequent washing minimizes chance of inadvertent exposure.

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## TRANSPORTATION INFORMATION

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### Department of Transportation (DOT) Classification

	Flammable Liquid		Corrosive
	Flammable Solid		Non-Flammable Gas
	Flammable Gas	XXX	Not Hazardous by DOT
	Combustible Liquid		Other:

### DOT Proper Shipping Name

N/A

### DOT ID Number

N/A

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## DOCUMENTATION

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Product Code No.: 35401  
Previous Code No.: 35401

Issue Date: 10-06-05  
Prior Date: 06-07-00

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