



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:

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PRODUCT IDENTIFICATION

PRODUCT NAME	EFFECTIVE DATE	PRODUCT CODE
Wynn's Super Heavy Duty DOT 4 Brake Fluid	09-22-05	16303

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).

Boiling Point/Range	480°F (249°C)	Freeze Point	N/D
Specific Gravity (H₂O=1) @ 15.6°C	1.0-1.070	Vapor Pressure (mm Hg)	<0.1
Vapor Density (Air =1)	N/D	Solubility in Water (%)	100%
% Volatiles by Volume	Negligible Volatility	Evaporation Rate (Butyl Acetate = 1)	N/D
pH (as is)	N/D	pH (dilute) @	N/D
Appearance	Clear yellow liquid	Odor	Mild Glycol Ether

N/D - Not Determined

N/A - Not Applicable

< = Less Than

> = Greater Than

FIRE AND EXPLOSION HAZARD DATA

Flash Point >275°F(>135°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

	Flammability 1		Hazard Code 0 - Least (insignificant)
Health 1		Reactivity 0	1 - Slight
	Other --		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.

REACTIVITY DATA

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.

HEALTH HAZARDS/ROUTES OF ENTRY

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.

EMERGENCY AND FIRST AID PROCEDURES

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.

SPILL OR RELEASE CONTROL PROCEDURES

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)

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

HANDLING AND STORAGE

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.

PERSONAL PROTECTION - EXPOSURE CONTROL

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.

TRANSPORTATION INFORMATION

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

DOCUMENTATION

Product Code No.: 16303
Previous Code No.: 16303

Issue Date: 09-22-05
Prior Date: 02-03-04

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