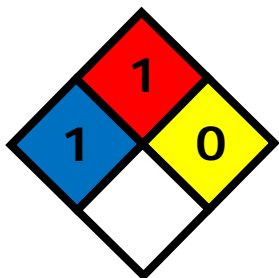


**Material Safety Data Sheet**



**NFPA**



**HMIS**

Health Hazard	1
Fire Hazard	1
Reactivity	0

Issuing Date 28-June-2010

Revision Date 28-June-2010

Revision Number 1

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** O'REILLY Super Heavy Duty BRAKE FLUID DOT 3 – 450 min

**Product Code**

**Recommended Use**

**Manufactured by:** Omni Specialty Packaging  
10399 S. Hwy 1  
Shreveport, LA 71105  
Phone: 1 (318) 524-1100

**Emergency Telephone Number** CHEMTREC  
1 (800) 424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**

**Appearance** Clear, amber liquid      **Physical State** Liquid      **Odor** Slight etheric odor

**Potential Health Effects**

**Principal Routes of Exposure** Eye contact, Skin contact, Inhalation, Ingestion

**Acute Toxicity**

**Eyes** Low hazard for usual handling.

**Skin** Skin contact may cause irritation. Brake fluid may be slowly absorbed through the skin. Excessive exposure for extended periods of time involving large areas of skin would be necessary for absorption of harmful amounts.

**Inhalation** Low hazard at ambient condition. Avoid prolonged inhalation of mist or vapors. Acute or chronic overexposure may be irritating to the respiratory tract. Severe intoxication may lead to drowsiness, dullness, numbness, and headache followed

<b>Ingestion</b>	by dizziness, weakness, and nausea. Do not ingest. Ingestion of large quantities may be fatal.
<b>Other</b>	
<b>Chronic Effects</b>	Repeated inhalation, ingestion or skin absorption of glycol ethers over time may result in toxicity symptoms and may adversely affect the liver and kidneys. Chronic glycol ether inhalation has resulted in tremor, lethargy, headache, blurred vision, personality changes and coma.
<b>Aggravated Medical Conditions</b>	Overexposure may aggravate pre-existing eye and skin conditions.
<b>Environmental Hazard</b>	See Section 12 for additional Ecological Information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula Mixture

Chemical Name	CAS-No	Weight %
Polyethylene Glycol Ethers	112-50-5	50-85
Polyethylene Glycol	25322-68-3	15-50

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Flush with water for 15 minutes thoroughly and continue flushing until irritation subsides.
<b>Skin Contact</b>	Wash with soap and water thoroughly. Remove contaminated clothing and wash before re-use. If redness or irritation occurs, seek medical attention.
<b>Inhalation</b>	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. If person is conscious, give large quantities of water immediately. Induce vomiting. Get immediate medical attention.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not flammable.
<b>Flash Point</b>	270°F
<b>Suitable Extinguishing Media</b>	Water Fog. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical.
<b>Unsuitable Extinguishing Media</b>	Not Available
<b>Hazardous Combustion Products</b>	Normal products of combustion; carbon dioxide, carbon monoxide.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	Not sensitive.
<b>Sensitivity to Static Discharge</b>	Not sensitive.
<b>Protective Equipment and Precautions for Firefighters</b>	Wear positive pressure self-contained breathing apparatus (SCUBA). Use water to cool containers exposed to flames. When using water or foam, frothing may occur, especially if sprayed into containers of hot, burning liquid Structural firefighters' protective clothing will

only provide limited protection. .

**NFPA** Health Hazard 1 Flammability 1 Stability 0 Physical and Chemical Hazards -

### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions** Use personal protective equipment. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation.
- Methods for Containment** Dike far ahead of liquid spill for later disposal.
- Methods for Cleaning Up** Pick up free liquid for recycle and/or disposal. Residual liquid and/or solid can be absorbed on inert material.
- Evacuation Procedures**  
**Large Spill** Consider initial downwind evacuate for at least 150 meters (500 feet).  
**Fire** If tank, rail car or tank car is involved in a fire, isolate for 1600 meters (1 mile) in all directions; also consider initial evacuation for 1600 meters (1 mile) in all directions.
- Reporting Requirements** Spills that enter a water body must be reported immediately to the USEPA's National Response Center at (800)546-2972. Check with your local and state regulators regarding their reporting requirements.

### 7. HANDLING AND STORAGE

- Handling** Do not pressure, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode. See NFPA 30 and OSHA 1910.106 – flammable and combustible liquids.
- Storage** Store away from heat, sparks, open flame, or strong oxidizing agents in closed and properly labeled containers. Empty containers retain product residue (liquid, and/or vapor) and can be dangerous

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Polyethylene Glycol Ethers 112-50-5	None listed	None listed	None listed
Polyethylene Glycol 25322-68-3	None listed	None listed	None listed

- Engineering Measures** Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended limits.
- Personal Protective Equipment**
  - Eye/Face Protection** Safety glasses or face shield where splashing is possible. Full face-shield to be worn during emergencies.
  - Skin and Body Protection** As needed to prevent repeated skin contact. Solvent resistant gloves should be used if needed.
  - Respiratory Protection** Not normally needed. During emergencies wear respirator.
- Hygiene Measures** Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, amber liquid	<b>Odor</b>	Slight etheric odor
<b>Physical State</b>	Liquid	<b>pH</b>	N/A
<b>Flash Point</b>	410°F	<b>Autoignition Temperature</b>	Not Determined
<b>Boiling Point/Range</b>	455-475°F	<b>Freezing Point</b>	Not Determined
<b>Explosion Limits</b>	N/A	<b>Flammability Limits in Air</b>	N/A
<b>Specific Gravity</b>	1.038-1.04	<b>Solubility</b>	Complete
<b>Evaporation Rate</b>	N/A	<b>Vapor Pressure</b>	<0.1 @ 20°C
<b>Vapor Density</b>	Not Determined	<b>Density</b>	N/A

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible Products</b>	Open Flame and strong oxidizing agents.
<b>Conditions to Avoid</b>	Heat, flames, and sparks.
<b>Hazardous Decomposition Products</b>	Decomposition and combustion products may include smoke, carbon dioxide, carbon monoxide, and toxic fumes.
<b>Hazardous Polymerization</b>	None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Product Information</b>	Test on similar materials show a low order of acute oral and dermal toxicity.
<b>Acute Oral Effects</b>	Test on similar materials indicates low order of acute toxicity.
<b>Acute Inhalation Effects</b>	Low acute toxicity expected on inhalation at ambient condition.
<b>Skin Effects</b>	Practically non-toxic if absorbed. Other similar highly refined products have not shown skin tumors in mouse skin painting studies.
<b>Eye Irritation</b>	Minimal irritation on contact. Eye irritation slightly or practically non-irritating base on similar products.

### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Polyethylene Glycol Ethers 112-50-5	Rat 10.6 g/kg	Rabbit 8.2 g/kg	Not available
Polyethylene Glycol 25322-68-3	Rat 28 g/kg	Rabbit >20 g/kg	Not available

### Chronic Toxicity

<b>Chronic Toxicity</b>	Prolonged exposure may cause chronic effects.
<b>Carcinogenicity</b>	Not considered a potential carcinogen base on IP346 DMSO of less than 3.0 wt%
<b>Target Organ Effects</b>	Respiratory system, Eyes, Skin,
<b>Genotoxicity</b>	This product is considered non-mutagenic and has negative potential for tumor development based on from Modified Ames Assay, with Mutagenic Index of less than 1.0.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Polyethylene Glycol Ethers 112-50-5	10,000 mg/L.	<i>Pimephales promelas</i> , LC50 > 10,000 mg/L; 96-hr		48-hr LC50 10,000 mg/L; 48-hr
Polyethylene Glycol 25322-68-3		Carassius auratus: >5000 mg/L	Phytobacterium phosphoreum: EC50 =100,000 mg/L; 15 minutes	

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method** Dispose of in accordance with local regulations. Keep this product out of sewers and waterways.

**Contaminated Packaging** Dispose of in accordance with local regulations.

Chemical Name	RCRA – Halogenated Organic Compounds	RCRA – P Series Wastes	RCRA – F Series Wastes	RCRA – K Series Wastes
	Does not meet hazardous waste criteria	Does not meet hazardous waste criteria	Does not meet hazardous waste criteria	Does not meet hazardous waste criteria

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

**15. REGULATORY INFORMATION****International Inventories**

	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Polyethylene Glycol Ethers 112-50-5	Present	X	203-978-9	x	X	x	X	X
Polyethylene Glycol 25322-68-3	Present	x	(NLP 500-038-2)	x	x	KE-20228	x	x

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. - Polyethylene Glycol Ethers

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

If spilled into navigable waters it is reportable to National Response Center, 800-424-8802. Reportable Quantity = Oil Sheen present on navigable water surface. (40 CFR 116; 401.15)

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**CERCLA**

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**Florida**

No listed ingredients are present

**Massachusetts RTK**

No listed ingredients are present

**Minnesota RTK**

25322-68-3 is present on list

**New Jersey RTK**

No listed ingredients are present

**Pennsylvania RTK**

No listed ingredients are present

**Illinois DOL TSL**

No listed ingredients are present

**International Regulations**

**Mexico – Grade** No information available.

**Canada** Not listed on the Canadian Controlled Product Ingredient Disclosure and is compliant with Controlled Products Regulation

**CONEG Metals** Since cadmium, chromium, lead and mercury are not detectable and it does not exceed 100 ppm total in this product, it is compliant with CONEG Metals regulation.

**EEC (Europe)** This product is not known to be a dangerous good internationally.  
R-Phrases No known  
S-Phrases No known  
Hazard Label None  
Danger Symbol None

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

**WHMIS Hazard Class**

D2B Toxic materials

**16. OTHER INFORMATION**

**Prepared By** Safety Department

**Issuing Date** 28-June -2010

**Revision Date** 28-June-2010

**Revision Note** Not applicable

**Disclaimer**

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The information provided on this MSDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of MSDS**