



# SAFETY DATA SHEET

## Super Heavy Duty Dot 4 Brake Fluid

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Revision: 03/21/2016

Supersedes Revision: 05/05/2014

### 1. Product and Company Identification

<b>Product Code:</b>	C71	
<b>Product Name:</b>	Super Heavy Duty Dot 4 Brake Fluid	
<b>Company Name:</b>	CYCLO INDUSTRIES, INC. 902 SOUTH US HIGHWAY 1 JUPITER, FL 33477	<b>Phone Number:</b> (800)843-7813
<b>Web site address:</b>	www.cyclo.com	
<b>Email address:</b>	ehs@cyclo.com	
<b>Emergency Contact:</b>	First Aid Emergency CHEMTREC (703) 527-3887	(800)752-7869 (800)424-9300
<b>Information:</b>	First Aid Emergency (Outside U.S.)	(312)906-6194

### 2. Hazards Identification

**Acute Toxicity: Oral, Category 4**

**Acute Toxicity: Skin, Category 4**

**Specific Target Organ Toxicity (single exposure), Category 3**

**Specific Target Organ Toxicity (single exposure), Category 3**

**Specific Target Organ Toxicity (single exposure), Category 3**

**Serious Eye Damage/Eye Irritation, Category 2A**



**GHS Signal Word:** Warning

**GHS Hazard Phrases:**

- H302: Harmful if swallowed.
- H312: Harmful in contact with skin.
- H319: Causes serious eye irritation..
- H335: May cause respiratory irritation.

**GHS Precaution Phrases:**

- P264: Wash hands thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P362+364: Take off contaminated clothing and wash it before reuse.
- P271: Use only outdoors or in a well-ventilated area.
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

**GHS Response Phrases:**

- P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
- P363: Wash contaminated clothing before reuse.
- P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P309+311: Call a POISON CENTER or doctor/physician if exposed or you feel unwell.

**GHS Storage and Disposal Phrases:**

- P501: Dispose of contents/container in accordance with local/regional/national/international regulation.
- P403+233: Store container tightly closed in well-ventilated place.



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### Potential Health Effects (Acute and Chronic):

<b>Inhalation:</b>	Can cause moderate respiratory irritation dizziness, weakness, fatigue, nausea & headache. Irritating to the nose, throat & respiratory tract.
<b>Skin Contact:</b>	Can cause minor skin irritation.
<b>Eye Contact:</b>	Can cause severe eye irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking & tear production, with marked redness & swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.
<b>Ingestion:</b>	Irritating to mouth, throat and stomach. Can cause abdominal discomfort, nausea, vomiting & diarrhea.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
71243-41-9	aPoly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, ester with boric acid (H3BO3), methyl eth	20.0 -40.0 %
112-35-6	Triethylene glycol monoethyl ether	10.0 -30.0 %
9004-77-7	Poly(oxy-1,2-ethanediyl), .alpha.-butyl-.omega.-hydroxy-	10.0 -30.0 %
111-46-6	Diethylene glycol	1.0 -5.0 %
143-22-6	Triethylene glycol monobutyl ether	1.0 -5.0 %
25322-68-3	Polyethylene glycol	0.1 -1.0 %
112-60-7	Tetraethylene glycol	0.1 -1.0 %
1559-34-8	Tetraethylend glycol	0.1 -1.0 %

### 4. First Aid Measures

<b>Emergency and First Aid Procedures:</b>	If swallowed, do not induce vomiting. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give . In case of skin contact, wash with soap and water. Remove contaminated clothing and shoes and launder before reuse. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately if adverse reaction occurs.
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### 5. Fire Fighting Measures

<b>Flash Pt:</b>	121.00 C (249.8 F) Method Used: ASTM D Closed Cup
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Autoignition Pt:</b>	No data.
<b>Suitable Extinguishing Media:</b>	Alcohol resistant foam, carbon dioxide or dry chemical. Water agent if carefully applied to the surface of the fire.
<b>Fire Fighting Instructions:</b>	Do not enter fire area without proper protection including self-contained breathing apparatus & full protective equipment.
<b>Flammable Properties and Hazards:</b>	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
<b>Hazardous Combustion Products:</b>	No data available.



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### 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Wear appropriate protective clothing and equipment to prevent skin and eye contact. Avoid all sources of ignition; heat, sparks and open flames. Contain any liquid from leaking containers. Ventilate spill area. Soak up material with absorbent and place in chemical waste container. If clean-up is not immediate, cover spill with plastic or canvas to keep dry. Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

### 7. Handling and Storage

**Precautions To Be Taken in Handling:** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash it before reuse. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Keep out of the reach of children.

**Precautions To Be Taken in Storing:** Store container tightly closed in well-ventilated place.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
71243-41-9	aPoly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, ester with boric acid (H3BO3), methyl eth	No data.	No data.	No data.
112-35-6	Triethylene glycol monoethyl ether	No data.	No data.	No data.
9004-77-7	Poly(oxy-1,2-ethanediyl), .alpha.-butyl-.omega.-hydroxy-	No data.	No data.	No data.
111-46-6	Diethylene glycol	No data.	No data.	No data.
143-22-6	Triethylene glycol monobutyl ether	No data.	No data.	No data.
25322-68-3	Polyethylene glycol	No data.	No data.	No data.
112-60-7	Tetraethylene glycol	No data.	No data.	No data.
1559-34-8	Tetraethylen glycol	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

**Eye Protection:** Wear chemically resistant safety glasses with side shields when handling this product.

**Protective Gloves:** Butyl rubber, polyethylene.

**Other Protective Clothing:** Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands & other exposed areas with mild soap & water before eating, drinking and when leaving work. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots and chemical safety goggles plus a face shield.

**Engineering Controls (Ventilation etc.):** No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures & maintain operator comfort. Ventilation is required to maintain worker comfort & ensure employees are not overexposed.



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### 9. Physical and Chemical Properties

Physical States:	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid		
Appearance and Odor:	Colorless to pale amber with mild odor.		
pH:	8.6		
Melting Point:	No data.		
Boiling Point:	No data.		
Flash Pt:	121.00 C (249.8 F)	Method Used:	ASTM D Closed Cup
Evaporation Rate:	No data.		
Flammability (solid, gas):	No data available.		
Explosive Limits:	LEL: No data.	UEL: No data.	
Vapor Pressure (vs. Air or mm Hg):	No data.		
Vapor Density (vs. Air = 1):	No data.		
Specific Gravity (Water = 1):	1.07		
Density:	8.94		
Solubility in Water:	Complete		
Octanol/Water Partition Coefficient:	No data.		
Percent Volatile:	0.0 % by weight.		
Autoignition Pt:	No data.		
Decomposition Temperature:	No data.		
Viscosity:	No data.		

### 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ ] Stable [X]
<b>Conditions To Avoid - Instability:</b>	Stable under normal conditions.
<b>Incompatibility - Materials To Avoid:</b>	Temperatures above the high flash point of this combustible material in combination with sparks, open flames or other sources of ignition. Dried product residue (can act as an oxidizer). Impact or high temperatures can cause decomposition.
<b>Hazardous Decomposition or Byproducts:</b>	Strong acids, strong oxidizing agents.
<b>Possibility of Hazardous Reactions:</b>	No data available.
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.



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### 11. Toxicological Information

**Toxicological Information:** No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
71243-41-9	aPoly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, ester with boric acid (H3BO3), methyl eth	n.a.	n.a.	n.a.	n.a.
112-35-6	Triethylene glycol monoethyl ether	n.a.	n.a.	n.a.	n.a.
9004-77-7	Poly(oxy-1,2-ethanediyl), .alpha.-butyl-.omega.-hydroxy-	n.a.	n.a.	n.a.	n.a.
111-46-6	Diethylene glycol	n.a.	n.a.	n.a.	n.a.
143-22-6	Triethylene glycol monobutyl ether	n.a.	n.a.	n.a.	n.a.
25322-68-3	Polyethylene glycol	n.a.	n.a.	n.a.	n.a.
112-60-7	Tetraethylene glycol	n.a.	n.a.	n.a.	n.a.
1559-34-8	Tetraethylen glycol	n.a.	n.a.	n.a.	n.a.

### 12. Ecological Information

No data available.

### 13. Disposal Considerations

**Waste Disposal Method:** Dispose of contents/container in accordance with local/regional/national/international regulation.

### 14. Transport Information

**LAND TRANSPORT (US DOT):****DOT Proper Shipping Name:** Not-Restricted**DOT Hazard Class:****UN/NA Number:****LAND TRANSPORT (European ADR/RID):****ADR/RID Shipping Name:** Not-Restricted**UN Number:****Hazard Class:****MARINE TRANSPORT (IMDG/IMO):****IMDG/IMO Shipping Name:** Not-Restricted

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
71243-41-9	aPoly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, ester with boric acid (H3BO3), methyl eth	No	No	No
112-35-6	Triethylene glycol monoethyl ether	No	No	Yes-Cat. N230
9004-77-7	Poly(oxy-1,2-ethanediyl), .alpha.-butyl-.omega.-hydroxy-	No	No	No
111-46-6	Diethylene glycol	No	No	No
143-22-6	Triethylene glycol monobutyl ether	No	No	Yes-Cat. N230
25322-68-3	Polyethylene glycol	No	No	No
112-60-7	Tetraethylene glycol	No	No	No
1559-34-8	Tetraethylen glycol	No	No	No



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CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
71243-41-9	aPoly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, ester with boric cid (H3BO3), methyl eth	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: TAC; MA Oil/HazMat: No; MI CMR, Part 5: Part 5; NC TAP: Yes - Cat.; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: Yes - c; SC TAP: Yes - Cat.; WI Air: Yes - Cat.
112-35-6	Triethylene glycol monoethyl ether	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: Yes - 1; SC TAP: No; WI Air: No
9004-77-7	Poly(oxy-1,2-ethanediyl), .alpha.-butyl-.omega.-hydroxy-	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: TAC; MA Oil/HazMat: No; MI CMR, Part 5: Part 5; NC TAP: Yes - Cat.; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: Yes - c; SC TAP: Yes - Cat.; WI Air: Yes - Cat.
111-46-6	Diethylene glycol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
143-22-6	Triethylene glycol monobutyl ether	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: TAC; MA Oil/HazMat: No; MI CMR, Part 5: Part 5; NC TAP: Yes - Cat.; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: Yes - c; SC TAP: Yes - Cat.; WI Air: Yes - Cat.
25322-68-3	Polyethylene glycol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
112-60-7	Tetraethylene glycol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
1559-34-8	Tetraethylend glycol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
71243-41-9	aPoly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, ester with boric cid (H3BO3), methyl eth	Canadian DSL: No; Canadian NDSL: Yes; Taiwan TCSCA: Yes
112-35-6	Triethylene glycol monoethyl ether	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
9004-77-7	Poly(oxy-1,2-ethanediyl), .alpha.-butyl-.omega.-hydroxy-	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
111-46-6	Diethylene glycol	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
143-22-6	Triethylene glycol monobutyl ether	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
25322-68-3	Polyethylene glycol	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
112-60-7	Tetraethylene glycol	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes
1559-34-8	Tetraethylend glycol	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes



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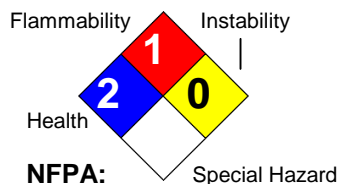
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### 16. Other Information

Revision Date: 03/21/2016

Hazard Rating System:



**Additional Information About** No data available.

**This Product:**

**Company Policy or**

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