

SAFETY DATA SHEET

Power Steering Fluid

Revision: 09/26/2014

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according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Code: C27, C28

Product Name: Power Steering Fluid

Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:
- 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:

Carcinogenicity, Category 1A

Serious Eye Damage/Eye Irritation, Category 2A

- 2.1.2 Classification according to Directive 1999/45/EC:
- 2.2 Label Elements:
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:





GHS Signal Word: Danger

GHS Hazard Phrases:

H350: May cause cancer.

H319: Causes serious eye irritation.

GHS Precaution Phrases:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P281: Use personal protective equipment as required.

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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2.2.2 Labeling according to Directive 1999/45/EC:

Hazard Rating System:



2.3 Adverse Human Health Effects and Symptoms:

Section 3. Composition/Information on Ingredients

CAS#	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	80.0 -100.0 %	265-155-0 649-465-00-7	T; R45 Carcinogen 1B: H350
NA	Proprietary Performance Additive	1.0 -5.0 %	NA NA	No data available. No data available.
112-34-5	Diethylene glycol monobutyl ether	1.0 -5.0 %	203-961-6 603-096-00-8	Xi; R36 Eye Damage 2A: H319

Section 4. First Aid Measures

4.1 Description of First AidIf swallowed, do not induce vomiting. If inhaled, remove to fresh air. If not breathing, **Measures:** give artificial respiration. If breathing is difficult, give oxygen. If in eyes, rinse cautiously

with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. In case of skin contact, wash with soap and water. Remove

contaminated clothing and shoes and launder before reuse. Call physician immediately if

adverse reaction occurs.

Section 5. Fire Fighting Measures

5.1 Suitable Extinguishing Dry chemical, water fog, CO2 or foam. Exposed material may be cooled with water. **Media:**

5.2 Flammable Properties No data available.

and Hazards:

Flash Pt: > 200.00 F (93.3 C) Method Used: TAG Closed Cup Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

5.3 Fire Fighting Wear approved positive-pressure self-contained breathing apparatus and protective

Instructions: clothing. Do not direct a solid stream of water or foam into hot, burning pools; this may

cause frothing and increase fire intensity.

Section 6. Accidental Release Measures

6.3 Methods and Material For Containment and Cleaning Up:

Wear appropriate protective clothing and equipment to prevent skin and eye contact. Contain any liquid from leaking containers. Remove sources of ignition. Increase area ventilation. Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials. Do not allow to enter sanitary drains, sewer or surface and subsurface waters.



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Section 7. Handling and Storage

7.1 Precautions To Be Taken in Handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Keep out of

the reach of children.

7.2 Precautions To Be Taken in Storing:

Do not store at temperatures over 100 F. Keep container closed when not in use.

Section 8. Exposure Controls/Personal Protection

8.1 Exposure Parameters:

CAS#	Partial Chemical Name	Britain EH40	France VL	Europe
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	No data.	No data.	No data.
NA	Proprietary Performance Additive	No data.	No data.	No data.
112-34-5	Diethylene glycol monobutyl ether	TWA: 67.5 mg/m3 (10 ppm) STEL: 101.2 mg/m3 (15 ppm)	TWA: 67.5 mg/m3 (10 ppm) STEL: 101.2 mg/m3 (15 ppm)	TWA: 67.5 mg/m3 STEL: 101.2 mg/m3
CAS#	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	No data.	No data.	No data.
NA	Proprietary Performance Additive	No data.	No data.	No data.
112-34-5	Diethylene glycol monobutyl ether	No data.	No data.	No data.

- 8.2 Exposure Controls:
- **8.2.1 Engineering Controls** None unless oil mist exceeds 5mg/m3.

(Ventilation etc.):

8.2.2 Personal protection equipment:

Eye Protection: Chemical safety goggles with side shields or face shield.

Protective Gloves: Neoprene or nitrile rubber.

Other Protective No data available.

Clothing:

Respiratory Equipment None unless oil mist exceeds 5mg/m3.

(Specify Type):

Section 9. Physical and Chemical Properties

9.1	Information on	Basic Ph	ysical and	Chemical	Properties
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Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Amber liquid with mild petroleum odor.

pH: NP

Melting Point: < -40.00 C (-40.0 F)

Boiling Point: No data.

Flash Pt: > 200.00 F (93.3 C) Method Used: TAG Closed Cup

Evaporation Rate: 0

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or 0

mm Hg):

Vapor Density (vs. Air = 1): No data.



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Specific Gravity (Water = 1): .88

Solubility in Water: 0% at 20.0 C (68.0 F)

Autoignition Pt: No data.

Viscosity: 7.1 - 8.1

9.2 Other Information

Percent Volatile: 0.0 % by weight.

Section 10. Stability and Reactivity

10.1 Reactivity: No data available.

10.2 Stability: Unstable [] Stable [X]

10.3 Conditions To Avoid - No data available.

Hazardous Reactions:

Possibility of Will occur [] Will not occur [X]

Hazardous Reactions:

10.4 Conditions To Avoid - High temperatures.

Instability:
10.5 Incompatibility -

Instability:

Materials To Avoid:

Strong oxidizers such as hydrogen peroxide, bromine and chromic acid.

10.6 Hazardous

Decomposition Or Byproducts:

Carbon monoxide and carbon dioxide from burning. Oxides of phosphorus. Oxides of

sulfur.

Section 11. Toxicological Information

11.1 Information on

n on No data available.

Toxicological Effects:

CAS# 64742-52-5:

Mutagenicity:, Mutation test: Mutation in microorganisms., 10.00 UL/PLAT, Bacteria -

Salmonella typhimurium,.

Results:

Behavioral: Coma.

Biochemical:Metabolism (intermediary): Other.

- Cell Biology and Toxicology., Princeton Scientific Pub., Inc., 301 N. Harrison St., CN

5279, Princeton, NJ 08540, Vol/p/yr: 2,63, 1986

Acute toxicity, LD (Lethal dose), Oral, Rat, 5.000 GM/KG.

Results:

Tumorigenic: Neoplastic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors. Tumorigenic:Tumors at site of application.

- Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann

Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,133, 1990

Acute toxicity, LD (Lethal dose), Skin, Species: Rabbit, 5.000 GM/KG.

Results:

Behavioral: Coma.

Biochemical:Metabolism (intermediary): Other.

- Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann

Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,133, 1990

Tumorigenic Effects:, TDLo, Skin, Mouse, 480.0 GM/KG, 80 W.

Results:



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Tumorigenic: Neoplastic by RTECS criteria. Skin and Appendages: Other: Tumors. Tumorigenic:Tumors at site of application.

- United States Environmental Protection Agency, Office of Pesticides and Toxic Substances., U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances, 401 M St., SW, Washington, DC 20460, Vol/p/yr: 8EHQ-0887-,

Tumorigenic Effects:, TDLo, Skin, Mouse, 402.0 GM/KG, 78 W.

Results:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Skin and Appendages: Other: Tumors. Tumorigenic:Tumors at site of application.

- British Journal of Cancer., Macmillan Press Ltd, Houndmills, Basingstoke, Hampshire

RG21 2XS UK, Vol/p/yr: 48,429, 1983

Tumorigenic Effects:, TDLo, Skin, Mouse, 398.0 GM/KG, 22 W.

Results:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Skin and Appendages: Other: Tumors. Tumorigenic:Tumors at site of application.

- British Journal of Cancer., Macmillan Press Ltd, Houndmills, Basingstoke, Hampshire

RG21 2XS UK, Vol/p/yr: 48,429, 1983

Standard Draize Test, Skin, Species: Rabbit, 500.0 MG, Severe.

Results:

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Skin and Appendages: Other: Tumors. Tumorigenic:Tumors at site of application.

- Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann

Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,133, 1990

CAS#	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	n.a.	n.a.	n.a.	n.a.
NA	Proprietary Performance Additive	n.a.	n.a.	n.a.	n.a.
112-34-5	Diethylene glycol monobutyl ether	n.a.	n.a.	n.a.	n.a.

Section 12. Ecological Information

Section 13. Disposal Considerations

13.1 Waste Disposal Method:

Dispose of contents/container in accordance with local/regional/national/international regulation.



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Section 14. Transport Information

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not-Restricted

DOT Hazard Class: UN/NA Number:

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not-R

Not-Restricted

UN Number: Hazard Class:

14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not-Restricted

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not-Restricted

Section 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)	
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	No	No	No	
NA	Proprietary Performance Additive	No	No	No	
112-34-5	Diethylene glycol monobutyl ether	No	No	Yes-Cat. N230	
CAS#	Hazardous Components (Chemical Name)	Other US EPA or State Lists			
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	CAA HAP,ODC: No; CWA NPDES: No; TSCA: 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			
NA	Proprietary Performance Additive	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; 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			
112-34-5	Diethylene glycol monobutyl ether	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: 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.			
CAS#	Hazardous Components (Chemical Name)	International Regu	ılatory Lists		
64742-52-5	Mineral oil, petroleum distillates, hydrotreated heavy naphthenic	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA: Yes			
NA	Proprietary Performance Additive	Canadian DSL: No	; Canadian NDSL: N	o; Taiwan TCSCA: No	
112-34-5	Diethylene glycol monobutyl ether	Canadian DSL: Yes; Canadian NDSL: No; Taiwan TCSCA:			

Yes



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European Community Hazard Symbol codes:

European Community Risk and Safety Phrases:

No data available.

Section 16. Other Information

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Additional Information About No data available.

This Product:

Company Policy or

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