

**1. PRODUCT AND COMPANY IDENTIFICATION**

Trade Name	FLEETLINE AUTOMATIC GEAR OIL
Manufacturer/Supplier	FLEETLINE LUBRICANTS PO BOX 9699 Bloemfontein 9300
Fax	051 433 4337
Mobile	082 800 4599
E-mail	bertus@fleetline.co.za
Website	www.fleetline.co.za

**2. COMPOSITION/INFORMATION ON THE COMPONENTS**

**Hazardous Components in Product:**

Polyethylene Glycols, Polyglycol Ethers and Glycol Ether Esters 100%  
With added corrosion and oxidation inhibitors.

**3. HAZARD IDENTIFICATION**

**Warning Statements:**

Harmful or fatal if swallowed. Keep out of reach of children. May cause irritation

**Eyes:** May cause eye irritation.

**Oral:** Expected to have moderate acute toxicity by ingestion.  
Liver and/or kidney damage have been reported to occur following significant overexposures.

**Inhalation:** Irritation of the nose, throat and lungs, headache, nausea, drowsiness, dizziness or unconsciousness may result from exposure to vapours or mist presents in poorly ventilated or confined areas, or generated from spraying or heating the material.

**Skin:** Expected to cause no more than minor skin irritation. Prolonged or frequently repeated contact may cause more severe irritation or may cause the skin to become cracked or dry from the defatting action of this material.

**Long term Toxic Effects:** Contains a solvent that may cause adverse systemic effects when ingested, inhaled or absorbed through the skin.

**4. FIRST AID MEASURES**

**First Aid – Eyes:**

Flush eyes immediately with fresh water for several minutes while holding the eyelids open. If irritation persists see a doctor.

**Fist Aid – Skin:**

Remove and launder contaminated clothing including shoes. Wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this MSDS occur.

**First Aid – Ingestion:**

If swallowed and person is conscious, give water or milk to drink and seek prompt medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, take the person with product container and label to the nearest medical emergency treatment centre or hospital. Never give anything by mouth to an unconscious person.

**First Aid – Inhalation:**

If there are signs or symptoms as described in this MSDS due to breathing this material, move the person to fresh air. If breathing has stopped apply artificial respiration. Call a doctor.

**Advice to Doctor:**

None Applicable

**5. FIRE FIGHTING MEASURES**

**Ignition Temp (degrees C)**

>300

**Flammable Limits (% By volume)**

Not Determined

**Flash Point (degrees C)**

134 (PMCC)

**Fire Extinguishing Agents**

According to the US National Fire Protection Association Guide, use water spray, dry chemicals, foam or carbon dioxide. Water or foam may cause frothing, Use water to cool fire-exposed containers. If a leak or spill has not ignited use water spray to disperse the vapours and to provide protection for persons attempting to stop the leak.

## **FLEETLINE**

## **MATERIAL SAFETY DATA SHEET** **BRAKE FLUID DOT 4**

### **Explosion Hazards:**

For fires involving this material do not enter any enclosed or confined space without self-contained breathing apparatus to protect against the hazardous effects of combustion products or oxygen deficiency.

## **6. ACCIDENTAL RELEASE MEASURES.**

### **Personel Precautions:**

Material can created slippery conditions underfoot.

### **Environmental Precautions:**

Try to prevent the material from entering drains or watercourses.

### **Spillages:**

Contain and absorb using diatomaceous earth or other inert material. Transfer into suitable containers for disposal.

## **7. HANDLING AND STORAGE**

### **Handling:**

No special precautions are required.

### **Storage :**

Storage temperature should be controlled to between 1 and 40° C. Where outside storage of drums is unavoidable, they should be stored horizontally to avoid ingress of water.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **Eyes:**

Avoid eye contact. The wearing of chemical safety goggles or face shield is recommended.

### **Skin:**

Avoid contact with skin or clothing. Skin contact can be minimized by wearing impervious protective clothing including gloves. Protective clothing made from neoprene, nitrile, or n-butyl rubber is suitable in these applications.

## FLEETLINE

## MATERIAL SAFETY DATA SHEET BRAKE FLIUD DOT 4

### Inhalation:

None Required. However an approved respirator is recommended if operating conditions generated vapour, mist or fumes and if exposures cannot adequately be controlled by exhaust ventilation. Wear approved respiratory protection such as a toxic dust, mist and fume respirator.

### Ventilation:

No special ventilation is usually necessary however if operating conditions create high airborne concentrations of this material engineering controls may be needed. Local exhaust ventilation and / or enclosure of the process is preferred in these cases.

### Exposure Limits:

None established for product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odour	Colourless to amber liquid
Boiling Point C	>205
Vapour Pr (mmHg@25C)	Low
Density (kg/l at 20 C)	1,070
Vapour Density	Not Determined
pH of Undiluted Product	7 – 11
Solubility (Water)	Soluble
Percent Volatile By Volume	Not Determined
Evaporation	Not Determined
Viscosity	2mm <sup>2</sup> /s @ 100 °C

## 10. STABILITY AND REACTIVITY

### Hazardus Polymerization:

Do Not Occur

### Products of Combustion:

Carbon monoxide and carbon dioxide may be formed on burning in limited air supply.

### Conditions To Avoid:

Strong oxidizers such as chlorates, nitrates, peroxides etc..

**11. TOXICOLOGICAL INFORMATION**

**General:**

This product contains polyakylene glycois polyalkylene glycol ethers and ether esters. Reported effects included kidney damage from high doses or from prolonged or repeated exposure. While normal use of this material should not result in any adverse effects we strongly recommended that the precautions outlined in this MSDS be followed to reduce skin contact and keep potential inhalation of mists to a minimum.

**12. ECOLOGICAL INFORMATION**

**Environmental Effects:**

This product is expected to have a moderate (>30%) rate of biodegradation and a low potential to bio accumulate.

**13. DISPOSAL**

**Waste Disposal:**

Check governmental regulations and local authorities for approved . Disposal of this material.

**Remarks:**

Releases of this product should be prevented from contaminating soil and from entering drainage, sewer systems and all bodies of water.

**14. TRANSPORT INFORMATION**

Un Class	Not Applicable
DGC	Not Applicable
Proper Shipping Name	Not Applicable
Hazchem Code	Not Applicable
Additional Information	None Determined

**15. REGULATORY INFORMATION**

**Respirator:** \_\_\_\_\_ Respirators must follow AS/NZS 1715/1716 standard for approved respirators.

**Information:**

In the absence of local approved authorities follow US NIOSH/MSHA, UK BSI or joint Australia – New Zealand A/NZS 1715/1716

**16. OTHER INFORMATION**

To the best of our knowledge the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards or combination of hazards, that may exist in a workplace. This MSDS therefore forms a component only of a risk assessment carried out by or on behalf of the user.