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Oregon® Cutting Systems Division  
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## PRODUCT SAFETY DATA SHEET

### **Oregon® 2 Stroke**

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Part Number – 109551 (100ml One Shot bottles)

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Oregon® 2 Stroke

**Grade:**

**Use:** Lubricating oil for two-stroke engines

**Company:** Blount UK Limited  
Oregon® Cutting Systems Division  
6 Station Drive, Bredon, Tewkesbury, Glos. GL20 7HH  
Tel: 01684 774800/01/02 – Fax: 01681 773154

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Severely solvent refined mineral oil (approx. 80%).  
Distillate (apprx.15%).  
Additives (appr. 3%), mainly:  
Poly olefins amines  
Calcium Sulphonates

**Hazardous ingredient(s):**

No substances are present in concentrations regarded to present health hazards (article 3 of Directive 88/379/EEC).

#### 3. HAZARDS IDENTIFICATION

**Health:** Unlikely to cause eye irritation.  
Unlikely to cause immediate irritation but prolonged and repeated contact may be harmful to the skin.  
Not volatile. It is not likely to be an inhalation hazard at normal ambient temperatures. If overheated, fumes and vapours are slightly irritating to the breathing passages and lungs.  
Ingestion is unlikely to cause adverse systemic health effects.

**Environmental:** Although no specific ecological hazards are expected and bioaccumulation is unlikely, spillage into the environment should be avoided.

**Physical /Chemical:** Not applicable

**Additional information:** None

#### 4. FIRST AID MEASURES

<b><u>Eyes:</u></b>	Flush the eye with copious amounts of water. No emergency measures are necessary but if adverse eye effects follow, refer for medical attention.
<b><u>Skin:</u></b>	Wash the contaminated skin thoroughly with soap and water. No emergency measures are necessary but if adverse skin effects follow, refer for medical attention.
<b><u>Inhalation:</u></b>	Remove the affected person to fresh air. If recovery is not rapid, obtain medical attention.
<b><u>Ingestion:</u></b>	DO NOT INDUCE VOMITING. No emergency measures are needed but if adverse health effects follow, refer for medical attention.
<b><u>Additional information:</u></b>	None

#### 5. FIREFIGHTING MEASURES

<b><u>Extinguishing media:</u></b>	<b><u>Recommended:</u></b>	Dry chemical, foam, CO <sub>2</sub> , water mist.
	<b><u>Not to be used:</u></b>	Direct water jet. Use water only to keep fire- exposed containers cool.
<b><u>Specific exposure hazards:</u></b>		Slight flammability hazard when exposed to heat or flame.
<b><u>Special protective equipment for fire-fighters:</u></b>		Use self-contained breathing equipment when fighting in confined spaces.

#### 6. ACCIDENTAL RELEASE MEASURES

<b><u>Personal precautions:</u></b>	No special measures needed.
<b><u>Environmental precautions:</u></b>	Water may be used to flush spills away from sources of ignition. Do not allow the product to enter public drainage systems or open water courses.
<b><u>Method of cleaning up:</u></b>	Absorb and scrape up.
<b><u>Absorbent material:</u></b>	Sand or active clay.

#### 7. HANDLING AND STORAGE

<b><u>Handling :</u></b>	Avoid prolonged or repeated skin contact. Avoid inhalation of vapours, mists or fumes. Do not wear contaminated clothing.
<b><u>Storage:</u></b>	Keep containers tightly closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b><u>Engineering measures:</u></b>	No special measures needed.
<b><u>Control parameters:</u></b>	TWA TLV (ACGIH): 5mg/m <sup>3</sup> for oil mist. However, in all circumstances exposure should be kept as low as reasonably possible by good ventilation and safe working practices.
<b><u>Respiratory protection:</u></b>	Inhalation of the vapours, fumes or mists should be avoided by safe working practices and good ventilation.
<b><u>Eye protection:</u></b>	If there is a risk of splashing while handling product, eye protection should be worn (e.g. full face shield or goggles with side shields).
<b><u>Skin protection:</u></b>	Prolonged and repeated skin contact should be avoided by the use of clean gloves and clean overalls.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Oily liquid
Colour	: Brown
Appearance	: Bright & clear
Odour	: Weak
pH	: Neutral
Boiling range °C	: Initial boiling point (oil base) >176
Pour point °C	: < -30
Flash point, °C (PMCC)	: > 55 (ASTM D92, COC)
Autoflammability/ignition, °C	: 210 (oil base)
Upper explosion limits	: 7.0 % vol. -air (oil base)
Lower explosion limits	: 0.6% % vol. -air (oil base)Not known
Vapour pressure, 20 °C,kPa	: Approx. 0.04 (oil base)<0.01 (oil base)
Viscosity, kinematic, 40 °C,cSt	: 48
Relative density, 15 °C,kg/dm <sup>3</sup>	: 0.88
Water solubility	: Not soluble
Partition coefficient, n-octanol/water	: Not known
Other data	:

## 10. STABILITY AND REACTIVITY

<b><u>Conditions/materials to avoid:</u></b>	Stable. May react with strong oxidising agents.
<b><u>Hazardous decomposition products:</u></b>	Thermal decomposition or incomplete combustion may produce oxides of carbon and irritating fumes.

## 11. TOXICOLOGICAL INFORMATION

The refined mineral base oils used in the formulation of this product are of a low order of toxicity in test animals. LD50 (rat) is above 10 g/kg. Although incidental contact with skin does not cause immediate irritation, prolonged and repeated contact may defat the skin and eventually cause dermatitis.

## 12. ECOLOGICAL INFORMATION

The base oil components are not expected to be dangerous to the aquatic environment. Not readily biodegradable.

### 13. DISPOSAL CONSIDERATIONS

Transport to authorised waste location, or incinerate under controlled conditions.

### 14. TRANSPORT INFORMATION

UN-No.: 1993  
RID/ADR : (3, 32c)  
IMO: 3.3  
IATA/ICAO: 1993  
Other:

### 15. REGULATORY INFORMATION

No EC exposure limit established.

EC Labelling/Classification:

Symbol(s): None

Contains:

R & S phrase(s): None

### 16. OTHER INFORMATION

CONCAWE report no. 5/87 "health aspects of lubricants".

Replaces sheet dated 1995-10-10

*The information in this sheet has been compiled by Blount UK Limited on the basis of data available to them at the date stated above, but is not intended as an exhaustive description of the health and safety aspects of the use of the product and in particular the information takes no account of possible abnormal reactions of individuals.*

*Customers are responsible for the proper storage, use and handling of the product and for determining whether the product is fit for the use to which it is put. The information does not describe health and safety aspects of the products once it has been misused or mishandled or when it is mixed with any other product.*

*This document is in accordance with 91/155/EEC, 93/112/EC AND ISO 11014-1.*