



## PRODUCT SAFETY DATA SHEET

### 1. Identification of the Substance/Preparation & Supplier.

**Product Name:** Fortron Lifter Free T1537  
**Product Type:** Lubricant Additive  
**Supplier:** Fortron International, 1 Westminster Way, Oxford OX2 0PZ  
**Emergency information:** Emergency phone number (Office hours only): +61 8 92027800  
Fax no: +61 8 9202 7851

### 2. Hazards Identification.

**Hazard designation:**  
F Flammable

**Information pertaining to particular dangers for man and environment:**

R10: Flammable

**Classification system:**

The health and environmental hazards of this preparation have been assessed by the conventional method described in annex II and III of the preparations Directive 1999/45 EC.

### 3. Composition/Information on Ingredients.

Hazardous component:	EINECS	Cas No.	Index	Risk Phrases:	Concentration:
4-Methyl Pentan-2-ol	203-551-7	108-11-2	F, Xi	R10,R37	10-25%

**Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4. First Aid Measures.

**Immediate medical attention is required.**

**Eye Contact:** Flush with clean water for 15 minutes. If irritation persists, obtain medical attention.

**Skin Contact:** Remove contaminated clothing. Wash off with soap and water. The application of skin reconditioning (emollient) cream can be beneficial.

**Inhalation:** Remove to fresh air. If symptoms persist, seek medical advice.

**Ingestion:** Water to drink and rinse may be beneficial.

### 5. Fire Fighting Measures:

**Suitable Extinguishing Media:** Foam, Dry Powder, Co2, Sand, Earth, Fine Water Spray suitable.

**Unsuitable Extinguishing Media for Reasons of Safety:** Water Jet.

**Special Hazards caused by the material, its products of combustion or flue gases:** Classed as flammable. If involved in fire, may evolve noxious fumes. Fire exposed containers should be sprayed with water to keep cool and avoid bursting.

**Protective Equipment:** Self-contained breathing apparatus may be required.

## **6. Accidental Release Measures.**

**Personal safety precautions:** Remove ignition sources. Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves.

**Measures for environmental protection:** Prevent from spreading (e.g. by dusting a ring of chemical binder). As the product is hazardous for the aquatic environment, it must be prevented from reaching surface water. Inform authorities in case of contamination of water or sewage system.

**Methods for cleaning/collecting:** Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery.

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product. Use only in well ventilated areas.

## **7. Handling and Storage.**

**Handling:** Keep in tightly closed containers. Take note of emission threshold.

**Storage:** Store between 10-35°C. Store in mild steel, stainless steel or polyethylene containers.

**Information about storage in a common storage facility:** Store in a cool dry place away from heat or sources of combustion.

**Specific Uses:** To be used as a lubricant additive.

## **8. Exposure Controls/Personal Protection.**

### **Exposure limit values:**

Ingredient Name	8hr TWA	15min STEL
4-Methyl Pentan-2-ol WEL	25ppm (106mg/m <sup>3</sup> )	40ppm (170mg/m <sup>3</sup> )

### **Occupational exposure controls:**

Respiratory Protection: Unlikely to be necessary. Avoid breathing vapours.

Hand: PVC or rubber gloves are recommended.

Eyes: Safety eye goggles should be worn.

Skin: Use protective clothing. Remove contaminated clothing and wash with soap and water.

## **9. Physical and Chemical Properties.**

<b>Appearance:</b>	Very Pale Amber Fluid
<b>Odour:</b>	Characteristic solvent
<b>Boiling Point:</b>	132°C
<b>Flash Point:</b>	45°C
<b>Water Solubility:</b>	Immiscible
<b>Viscosity @ 40°C:</b>	10.5c/st
<b>Solubility in Organics:</b>	Soluble in many
<b>Freezing Point:</b>	<0°C
<b>Auto Ignition Temp:</b>	305°C
<b>Specific Gravity @ 20°C:</b>	0.885 typical

## 10. Stability and Reactivity.

**Conditions to Avoid:** Protect against naked flames, hot surfaces and other high temperature sources.

**Materials to Avoid:** Strong oxidising agents.

**Hazardous Decomposition Products:** Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic may be produced. Product is stable under normal conditions.

## 11. Toxicological Information.

Eyes: Not classed as an eye irritant. Contact may cause irritation and stinging.  
Skin: Not classed as a skin irritant. Prolonged or repeated contact may lead to de-fatting of the skin and/or slight irritation.  
Inhalation: Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.  
Ingestion: Swallowing of small amounts is not likely to cause serious discomfort. If swallowed in larger quantities may cause vomiting and diarrhoea.

## 12. Ecological Information.

**Eco-toxicity:** Could be harmful to aquatic organisms, long-term adverse effects not expected.

**Mobility:** The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. Avoid transfer into the environment.

**Persistence and Degradability:** Product is easily biodegradable.

**Bio-accumulative Potential:** Not expected to bio-accumulate.

## 13. Disposal Recommendations.

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations.

Dispose of empty containers in accordance with local and national regulations.

Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

## 14. Transport Information.

**UN Label:**



**Land Transport ADR/RID:**

<b>UN No:</b>	1993
<b>Class:</b>	3
<b>Proper Shipping Name:</b>	Flammable Liquid NOS, (Contains 4-Methyl Pentan-2-ol)
<b>Packing Group:</b>	III
<b>HI No:</b>	30
<b>ADR Classification Code:</b>	F1
<b>Limited Quantities Code:</b>	LQ7
<b>Tunnel Restriction Code:</b>	(D/E)

## Maritime Transport IMDG:

**UN No:** 1993  
**Class:** 3  
**Proper Shipping Name:** Flammable Liquid NOS, (Contains 4-Methyl Pentan-2-ol)  
**Packing Group:** III  
**Marine Pollutant:** No  
**EmS No:** F-E, S-E

## 15. Regulatory Information.

### Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (CHIP).

**Hazard Symbol:** None  
F Flammable

**Risk Phrases:** R10: Flammable

**Safety Phrases:** S24/25: Avoid contact with skin and eyes  
S37: Wear suitable gloves  
S43: In case of fire use foam/dry powder/CO2 – fine water spray suitable

### National Regulations:

#### Regulations which may apply in event of accident:

##### Control of Major Accident Hazards (COMAH)

Critical quantity values according to the regulations on accidents should be adhered to.

## 16. Other Information.

Do not mix with other chemicals.

The information provided in this data sheet has been compiled in accordance with the requirements of the Chemicals (Hazard information and packaging) Regulations 2009 (CHIP 4).

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

### R-phrases relevant to the products hazardous ingredients:

R10: Flammable  
R37: Irritating to respiratory system

**Training Advice:** Users should be trained in good industrial hygiene practise.

### Recommended Restrictions on Use:

**Department issuing data specification sheet:** Health and Safety Department

**\*Date compared to the previous version altered.**

### Legal Disclaimer:

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.