



# Material Safety Data Sheet

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

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Product Name: **Fortron LIFTER FREE**

Other Names: **METHYL ISOBUTYL CARBINOL**  
**FLFB – 205 litre drum**  
**FLF20 – 20 litre container**  
**FLF10 – 10 litre container**  
**FLF – 325ml bottle**

Recommended Use: Lifter Free is a balanced blend of hydrocarbon carriers and petrochemical based organic solvents, which act by removing deposits allowing full and rapid oil flow to all working parts. The effect of strong oxidising conditions on engine lubricating oil plus the presence of partly burnt (oxidised) petrol means the formation of gums and varnishes. These gums and varnishes decrease the already very fine tolerance and orifices with the result that valves, spindles and oil galleries become stuck, clogged and gummed up. Modern engine oils contain detergents and dispersants designed to keep gums and impurities in suspension and thus harmless. However, the effect of time, infrequent oil changes and high temperatures all which can overload the oil; which can result in the gums and varnishes plating out and building up on critical surfaces. This is where Lifter Free acts, dissolving and loosening deposits.

Supplier: Fortron Automotive Treatments Pty Ltd  
14-18 Sangiorgio Court, Osborne Park  
Perth, Western Australia 6017  
ACN 008 872 197 ABN 12 008 872 197  
Phone: (618) 9202 7800 (Monday – Friday 8.30am – 5.00pm)  
Fax: (618) 9202 7851  
[www.fortron.com.au](http://www.fortron.com.au)

Emergency Telephone No: 0433 088 498

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## 2. HAZARDS IDENTIFICATION:

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**CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF NOHSC, AND AS DANGEROUS GOODS ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS CODE**

Hazard Identification: Xi Irritant

Risk Phrase: R10 Flammable  
R37 Irritating to respiratory system

Safety Phrase: S2 Keep out of the reach of children.  
S24/25 Avoid contact with skin and eyes.



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### 3. COMPOSITION/INFORMATION ON INGREDIENTS:

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<u>Hazardous Components</u>	<u>CAS Number</u>	<u>Proportion % w/w</u>
4-Methyl 2-Pentanol	108-11-2	17%
Paraffinic Solvent Neutral		83%

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### 4. FIRST AID MEASURES:

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Swallowed: If swallowed **Do NOT** induce vomiting. Rinse mouth with water. Give water to drink. Seek prompt medical attention.

For advice, contact a Poisons Information Centre. Phone Australia 13 1126; New Zealand 03 4747 000 (Not after May 2005) or 0800 764 766; or a doctor (at once).

Eye: If contact with the eye(s) occur, immediately hold the eye open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Seek medical advice.

Skin: Remove contaminated clothing and wash skin with plenty of water for at least 15 minutes. Contaminated clothing is to be laundered before re-use. Dispose of work boots that are contaminated internally.

Inhaled: Remove the source of contamination or move the victim to fresh air, avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing has stopped apply artificial respiration immediately. Seek medical advice.

First Aid Facilities: Safety shower, mild soap and eye wash facilities.

Advice to Doctor: Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES:

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Flammable Liquid

Extinguishing Media: In case of fire, use powder and CO<sup>2</sup> extinguishing agents.

Unusual Fire & Explosion Hazards: None listed for this product.

Fire Fighting Precautions: For fires in enclosed areas, fire-fighters must use self-contained breathing apparatus (S.C.B.A.). Keep containers cool by spraying with water.

Hazchem Code: 3[Y]

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## 6. ACCIDENTAL RELEASE MEASURES:

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Emergency Procedures: Procedures in case of Breakage or Leakage

**Minor Spill:**

Shut off all potential sources of ignition. Increase ventilation. Avoid contact with liquid. Absorb with an inert non-combustible material such as vermiculite or sand. Wear full protective clothing and goggles. Prevent run off into drains or waterways. Collect and place into drums with non-sparking tools for recovery or disposal.

**Major Spill:**

Inform Authorities if a major spill occurs. Evacuate all non-emergency personnel from area. Dyke area far ahead of liquid and recover. Emergency personnel to wear self contained breathing apparatus. Keep public away. Extinguish all ignition sources. Prevent entry into drainage systems, rivers etc., Collect with absorbent material such as sand, earth or sawdust. Warn occupants downwind.

Methods and Materials for Containment and Clean Up:-

Small Spills/Major Spills – Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations. Incineration may be carried out under controlled conditions provided that local regulations for emissions are met. Empty containers provided that local regulations for emissions are met. Empty containers may contain some residual product. Hazard warning labels are a guide to the safe handling of empty packages and should not be removed.

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## 7. HANDLING AND STORAGE:

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Precautions for Safe Handling: Ensure that it is locked up and out of the reach of children. Avoid contact with skin and eyes. Do not breathe vapours/fumes. Wash hands thoroughly after using this substance.

Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing and re-using.

Conditions for Safe Storage: Classified as a Flammable Liquid for the purpose of storage and handling, in accordance with requirements of AS1940. Refer to State Regulations for storage and transport requirements.

Avoid strong oxidising agents. Ensure that it is locked up and out of reach of children. Avoid contact with skin and eyes. Do not breathe vapours/fumes. Wash hands thoroughly after using this substance.



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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

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National Exposure Standards: Worksafe Australia has assigned the following standards for this product.

SUBSTANCE	Occupational Exposure Limits	TWA	TWA
		Ppm	mg/m <sup>3</sup>
Skin Ingestion Inhalation			10

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).

Time-weighted average (TWA) is defined as the concentration of that substance over an eight-hour working shift, and apply to an eight-hour day, for a five-day working week over an entire working lifetime. Short Term Exposure Limits (STEL) and Peak Limitations may also be specified for short periods of exposure such as 15 minutes.

Engineering Controls: Use in a well ventilated area to keep the concentration of vapours below the exposure limit. Use local exhaust ventilation if necessary.

Personal Protective Equipment:

*Respiratory Protection:* Airborne concentrations should be kept to lowest levels possible. If vapour, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate AS/NZS 1715/1716 approved air-purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown. Wear air breathing apparatus in confined spaces.

*Protective Gloves:* Impermeable protective gloves should be worn when you are using this product. Failure to do so will lead to irritation of the skin. For help in selecting suitable equipment, consult AS2161.

*Eye Protection:* Wear chemical goggles or glasses. Consult AS1336 and AS/NZS1337 for advice on Industrial Eye Protection.

*Clothing Protection:* Clean impermeable overalls or protective clothing should always be worn when handling this product, clothing should be destroyed. Consult AS2919 for advice on Industrial Clothing.

*Safety Boots :* Wearing safety boots in industrial situations is advisory. Consult AS/NZS for advice on Occupational Protective Footwear.

*Hygiene Recommendations:* Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.



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**9. PHYSICAL AND CHEMICAL PROPERTIES:**

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Appearance:	Clear amber liquid
Odour:	Slight aromatic odour
pH:	Not applicable
Vapour Pressure:	3.5 (AIR=1)
Vapour Density:	Not applicable
Boiling Point:	132°C to < 300°C
Melting Point:	Not applicable
Solubility in Water:	< 0.1%
Specific Gravity:	0.85 g/cm <sup>3</sup>
Flashpoint:	77°C (Closed Cup) Pensky - Martens
Flammability Limits:	LEL 1.5 % UEL 5.0 %
Evaporation Rate:	1.9

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**10. STABILITY AND REACTIVITY:**

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Chemical Stability:	This product is stable under normal use conditions.
Conditions to Avoid:	Avoid heat, sparks, open flames and other ignition sources.
Incompatible Materials:	Strong oxidising agents.
Hazardous Decomposition Products:	No data available.

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**11. TOXICOLOGICAL INFORMATION:**

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**HUMAN HEALTH HAZARDS - ACUTE**

Swallowed:	May cause irritation to mouth, throat and digestive tract. Swallowing can result in drowsiness, nausea, vomiting and may lead to unconsciousness.
Eye:	May cause eye irritation but will not damage eye tissue.
Skin:	May cause skin irritation. Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases dermatitis.
Inhaled:	High vapour concentrations may cause irritation to mucous membranes and the respiratory tract. Prolonged exposure to vapours can affect the central nervous system and result in headaches and dizziness or unconsciousness.
Chronic:	Repeated or prolonged contact may defat the skin and lead to allergic contact dermatitis.



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**12. ECOLOGICAL INFORMATION:**

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Environmental Hazards: No specific data available.

Ecotoxicity: No specific data available.

Persistence and Degradability: No specific data available.

Mobility: No specific data available.

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**13. DISPOSAL CONSIDERATIONS:**

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Disposal Methods and Containers: Shut off all potential sources of ignition. Increase ventilation. Avoid contact with liquid. Absorb with an inert non-combustible material such as vermiculite or sand. Wear full protective clothing and goggles. Prevent run off into drains or waterways. Collect and place into drums with non-sparking tools for recovery or disposal.

Special Precautions for Landfill or Incineration: Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations. Incineration may be carried out under controlled conditions provided that local regulations for emissions are met. Empty containers may contain some residual product. Hazard warning labels are a guide to the safe handling of empty packages and should not be removed.

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**14. TRANSPORT INFORMATION:**

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UN Number: 2053  
UN Proper Shipping Name: Methyl Isobutyl Carbinol  
Class and Subsidiary Risk: 3  
Packaging Group: III  
Special Precaution for User: None Allocated  
Hazchem Code: 3[Y]

Land Transport (ADG):  
UN Number: 2053  
UN Proper Shipping Name: Methyl Isobutyl Carbinol  
Class and Subsidiary Risk: 3  
Packaging Group: III  
Special Precaution for User: None Allocated  
Hazchem Code: 3[Y]

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**14. TRANSPORT INFORMATION: - continued**

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Air Transport (ICAO/IATA):  
UN Number: 2053  
UN Proper Shipping Name: Methyl Isobutyl Carbinol  
Class and Subsidiary Risk: 3  
Packaging Group: III  
Special Precaution for User: None Allocated  
Hazchem Code: 3[Y]

Marine Transport (IMDG/IMO):  
UN Number: 2053  
UN Proper Shipping Name: Methyl Isobutyl Carbinol  
Class and Subsidiary Risk: 3  
Packaging Group: III  
Special Precaution for User: None Allocated  
Hazchem Code: 3[Y]

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**15. REGULATORY INFORMATION:**

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**CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA, AND  
AS DANGEROUS GOODS ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS CODE**

Hazard Identification: Xi Irritant  
Risk Phrase: R10 Flammable  
R37 Irritating to respiratory system  
Safety Phrase: S2 Keep out of the reach of children.  
S24/25 Avoid contact with skin and eyes.

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**16. OTHER INFORMATION:**

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Date of Issue: 18<sup>th</sup> July 2011  
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Issue Number: I

**Please Note:**

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