



Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name: **Fortron TOTAL FUEL SYSTEM TREATMENT**

Other Names: **TOTAL FUEL SYSTEM TREATMENT**
FTFTB – 200 litre metal drum
FTFT20 – 20 litre container
FTFT10 – 10 litre container
FTFT1 – 1 litre container
FTFT – 250ml bottle

Recommended Use: Specially formulated to clean fouled injectors and fuel systems whilst providing the following benefits: Suitable for petrol or diesel. Absorbs and removes water from fuel, tank and lines. Dissolves and prevents wax, gum and varnish deposits in the fuel tank, lines and injectors. Helps decarbonise combustion chambers. Prevents fungal and bacterial growth. Burns off completely and harmlessly. Contains no hydrocarbons or corrosive ingredients. Will not damage catalytic convertors.

Supplier: Fortron Automotive Treatments Pty Ltd
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2. HAZARDS IDENTIFICATION:

CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC AUSTRALIA
CLASSIFIED AS A NON DANGEROUS GOODS ACCORDING TO THE AUSTRALIAN DANGEROUS
GOODS CODE

Hazard Identification:

Risk Phrase: R36/37/38 – Irritating to eyes and skin

Safety Phrase: S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Contact a doctor or Poisons Information Centre.



3. COMPOSITION/INFORMATION ON INGREDIENTS:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion % w/w</u>
Diethanolamide	68603-38-3	< 65.0%
Di – (2-Hydroxy Ethyl) Amine	111-42-2	< 10.0%
Glycerine	56-81-5	< 15.0%
Diethylene Glycol Butyl Ether	112-34-5	< 40.0%
Tri – 2Hdroxy Ethylamine	102-71-6	< 5.0%

4. FIRST AID MEASURES:

Swallowed:	If swallowed DO NOT INDUCE vomiting. Rinse mouth with water. Give water to drink. Seek medial advice if nausea or vomiting occurs. For advice, contact a Poisons Information Centre. Phone Australia 13 1126; New Zealand 0800 764 766; or a doctor (at once).
Eye:	If contact with the eye(s) occurs, 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. If symptoms persist seek medical advice.
Skin:	Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
Inhaled:	Remove to fresh air. Seek medical advice if nausea or vomiting occurs.
First Aid Facilities:	Eye wash facilities and normal wash room facilities.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES:

	Non Flammable. Combustible Liquid – C2
Extinguishing Media:	Extinguish with carbon dioxide, dry chemical or water spray.
Unusual Fire & Explosion Hazards:	In the event of a fire the following can be released. Carbon monoxide, carbon dioxide and oxides of nitrogen.
Fire Fighting Precautions:	Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.
Hazchem Code:	None Allocated.



6. ACCIDENTAL RELEASE MEASURES:

Emergency Procedures: Slippery when wet, clean up immediately. Wear protective equipment to prevent skin and eye damage.

Methods and Materials for Containment and Clean Up:- Small Spills/Large Spills: Prevent run off into drains and waterways. Contain spills with absorbent material such as sand or soil. Collect and seal in properly labelled containers for disposal. Dispose of in accordance with all Local, State and Federal regulations at an approved disposal site. For small spills, wash with plenty of water.

7. HANDLING AND STORAGE:

Precautions for Safe Handling: Avoid all skin and eye contact. Wash hands after using product.

Conditions for Safe Storage: Keep container tightly closed. Combustible liquid.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

National Exposure Standards:

	TWA ppm
Di (2-Hydroxy Ethyl) Amine	3

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 well ventilated areas to keep exposure levels to a minimum.

Personal Protective Equipment: Wear safety glasses or goggles, impermeable gloves (PVC or neoprene) and overalls.

Hygiene Recommendations: Keep an eye wash fountain available.





9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Clear blue viscous liquid
Odour:	Slight amine
pH:	7.0
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Boiling Point:	Not applicable
Melting Point:	< 0°
Solubility in Water:	Dispersible
Specific Gravity:	0.97 @ 20 °C
Flashpoint:	> 150 °C
Flammability Limits:	LEL Not assigned UEL Not assigned

10. STABILITY AND REACTIVITY:

Chemical Stability:	Stable under normal conditions of use.
Conditions to Avoid:	Excessive heat may lead to accelerated oxidate degradation.
Incompatible Materials:	Strong oxidising agents.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, oxides of nitrogen and possibly nitrosamines.
Hazardous Reactions:	Combustible liquid.

11. TOXICOLOGICAL INFORMATION:

HUMAN HEALTH HAZARDS - ACUTE

Swallowed:	Low toxicity expected. Swallowing may cause nausea, vomiting, diarrhoea and gastro intestinal irritation.
Eye:	May cause irritation.
Skin:	Repeated or prolonged contact may lead to drying or irritation.
Inhaled:	Mist or vapour from heated material may cause irritation to respiratory tract.
Chronic:	Repeated over exposure may cause damage to kidneys and liver.



12. ECOLOGICAL INFORMATION:

Ecotoxicity: None established for this product.

Persistence and degradability: None established for this product.

Mobility: Dispersible in water.

13. DISPOSAL CONSIDERATIONS:

Disposal Methods and Containers: Observe Local and National authority regulations. Take to special waste incineration plant. If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

Dispose according to State Land Management Authority regulations.

Special Precautions for Landfill or Incineration: Material is suitable for disposal by incineration through approved agent.

14. TRANSPORT INFORMATION:

UN Number: None Allocated

UN Proper Shipping Name: None Allocated

Class and Subsidiary Risk: Classified C2 (Combustible Liquid) with AS1940

Packaging Group: None Allocated

Special Precaution for User: None Allocated

Hazchem Code: None Allocated

Poisons Schedule: None Allocated

15. REGULATORY INFORMATION:

CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC AUSTRALIA
CLASSIFIED AS A NON DANGEROUS GOODS ACCORDING TO
THE AUSTRALIAN DANGEROUS GOODS CODE



16. OTHER INFORMATION:

Date of Issue: 16th March, 2009

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