



PRODUCT SAFETY DATA SHEET
(according to Regulation (EC) No. 453/2010)

1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier

Trade Name : **Total Fuel Treatment (FTFT)**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Fuel System Cleaner

Recommended restrictions : At this time we do not have information on restrictions on use. They will be included when available

1.3 Details of the supplier of the safety data sheet

Company : Fortron International, Unit 4 Cannel Road, Burntwood Business Park Burntwood, Staffordshire, WS7 3FU

1.4 Emergency telephone number

Emergency phone number : (Office hours only): 01543 679 900

2. Hazards Identification.

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Hazard Statements
Eye Irritant	Category 1	H318
Skin Irritant	Category 2	H315

Classification according to EU Directive 1999/45/EC

Refer to Section 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols:



Signal word: **Danger**

Hazard Statements: H318 Causes serious eye damage
H315 Causes skin irritation

Precautionary Statements:

General:

P102: Keep out of reach of children (Consumer products only)

Prevention:

P280: Wear protective gloves/eye protection

Response:

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a qualified first aider/doctor

P332 + P313: If skin irritation occurs: Get medical advice/attention

Labelling according to EU Directive 1999/45/EC

Refer to Section 16.

2.3 Other hazards

No other information is available

Hazardous components which must be listed on the label

None

3. Composition/Information on Ingredients.

3.2 Mixtures

Ingredient Name	Identifiers	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
Coco Diethanolamide	EC . 271-657-0 CAS . 68603-42-9	Irritant R38, R41	Eye Damage 1 H318 Skin Irritation 2 H315	50-80%
2-methylpentane-2,4 diol	EC . 203-489-0 CAS . 107-41-5 Reach - 01-2119539582-35-xxxx	Irritant R36/38	Skin Irritation 2 H315 Eye Irritation 2 H319	10-20%
Ethanol	EC . 200-578-6 CAS . 64-17-5 Reach - 01-2119457610-43-xxxx	Highly Flammable R11	Flam Liquid 2 H225	<10%

For the wording of the listed R phrases or H statements, refer to section 16.

4. First Aid Measures.

4.1 Description of first aid measures

Eye Contact: Flush with plenty of clean water for at least 15 minutes. If irritation persists obtain medical attention.

Skin Contact: Wash off with water. The application of skin reconditioning (emollient) cream can be beneficial.

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

Ingestion: Do not induce vomiting. Rinse mouth with water. Call for medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No further information available

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically

5. Fire Fighting Measures:

5.1 Extinguishing Media

Suitable Extinguishing Media : Foam, Dry Powder, Co2, fine water spray suitable.

Unsuitable Extinguishing Media : None

5.2 Special hazards arising from the substance or mixture

Not classed as flammable, if involved in a fire may emit noxious fumes.

5.3 Advice for fire fighters

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

6. Accidental Release Measures.

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

6.2 Environmental precautions

Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

6.3 Methods and materials for containment and cleaning up

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.

6.4 Reference to other sections

For personal protection refer to section 8

7. Handling and Storage.

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Take note of emission threshold.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs.

7.3 Specific end uses

To be used as a fuel system cleaner.

8. Exposure Controls/Personal Protection.

8.1 Control parameters

Exposure limit values:

Ingredient Name		8hr TWA	15min STEL
Ethanol	WEL	1000ppm	-
2-methylpentane-2,4 diol	WEL	25ppm	25ppm

8.2 Exposure controls

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided.

Eyes: Eye protection should be worn.

Hand: PVC or rubber gloves are recommended.

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

8.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

9. Physical and Chemical Properties.

9.1 Information on basic physical and chemical properties

Appearance:	Clear Blue Fluid
Odour:	Bland
Odour Threshold:	Not determined

pH Neat:	Not determined
Freezing Point:	0°C typical
Initial Boiling Point & Boiling Range:	100°C
Flash Point:	Not applicable
Evaporation rate:	Not determined
Flammability:	Not Flammable
Upper/Lower Flammability Limits:	Not applicable
Vapour Pressure:	Not determined
Vapour Density:	Not determined
Relative Density:	0.990 typical @ 20°C
Solubility:	Soluble in water
Partition Coefficient (Oct/Water):	Not determined
Auto Ignition Temperature:	Not applicable
Decomposition Temperature:	>100°C
Viscosity:	As water
Explosive Properties:	Not applicable
Oxidising Properties:	Not applicable

9.2 Other Information

None

10. Stability and Reactivity.

10.1 Reactivity

No information available

10.2 Chemical Stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to Avoid:

High temperatures, naked flames

10.5 Incompatible materials

Strong oxidising agents

10.6 Hazardous decomposition products

Oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic may be evolved. Product is stable under normal conditions

11. Toxicological Information.

11.1 Information on toxicological effects

Eyes:	Classified as a serious eye irritant. Contact with the eyes likely to cause irritation and stinging. No permanent damage if treated immediately.		
Skin:	Classified as a skin irritant. Exposure to the skin may cause irritation. Prolonged or repeated contact may lead to de-fatting of the skin and/or slight irritation.		
Inhalation:	Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.		
Ingestion:	Low order of acute toxicity. Ingestion of this product is not regarded as a significant health hazard, likely to arise in normal use. Swallowing of significant amounts may lead to vomiting and diarrhoea.		

Acute Toxicity: Ethanol	LD50 Oral (rat)	7060 mg/kg
	LD50 Dermal (rabbit)	>2000 mg/kg
	LC50/4h Oral (rat)	20000 mg/kg
2-methylpentane-2,4 diol	LD50 Oral (rat)	>2000 mg/kg
Coco Diethanolamide	LD50 Oral (rat)	>2000 mg/kg

12. Ecological Information.

12.1 Toxicity

Eco-toxicity:	Ethanol	LC50 96hrs (fish) EC50 24hrs (daphnia)	1030 mg/l >100 mg/l
	2-methylpentane-2,4 diol	LC50 96 hrs (fish) EC50 48 hrs (daphnia)	8510 mg/l 5410 mg/l

12.2 Persistence and Degradability:

The surfactant(s) contained in this preparation complies (comply) with the Biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents, (or are undergoing testing to obtain a derogation within the terms of the directive). Data to support this assertion are held at the disposal of the Competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bio-accumulative potential

Not expected to bio-accumulate

12.4 Mobility in soil

No information.

12.5 Results of PBT and vPvB assessment

No information

12.6 Other adverse effects

Not known.

13. Disposal Recommendations.

13.1 Waste treatment methods

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.

Product is not classified as hazardous for transport.

15. Regulatory Information.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety data sheet according to Regulation (EC) No. 453/2010.

This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5.

1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments.

98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements.

1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments.

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

15.2 Chemical safety assessment

No information at the present time.

16. Other Information.

Classification according to EU Directive 1999/45/EC

Hazard Symbol/Category of danger	Risk Phrases
Irritant	R41, R38

Labelling according to EU Directive 1999/45/EC

Hazard Symbol:



Classification: Xi Irritant

Risk Phrases: R41: Risk of Serious Damage to eyes
R38 Irritating to skin

Safety Phrases S2: Keep out of reach of children.
S24/25: Avoid contact with skin and eyes
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37/39: Wear suitable gloves and eye/face protection.

Full text of R-phrases referred to under sections 2 & 3

R11: Highly flammable
R36/38: Irritating to eyes & skin
R38: Irritating to skin
R41: Risk of serious damage to eyes

Full text of H-Statements referred to under sections 2 & 3

H225 Highly flammable liquid and vapour
H315 Causes skin irritation
H318: Causes serious eye damage
H319: Causes serious eye irritation

Training Advice

Users should be trained in good industrial hygiene practise.

Department issuing data specification sheet: Health and Safety Department

Contact

Sykes-Pickavant Ltd, Tel: 01543 679 900

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).

Do not mix with other chemicals.

Further Information

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 themselves that the product is entirely suitable for his purpose.