



# Safety Data Sheet - Fortron Eco Logic Advanced Oil System Cleaner

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Dated: 2nd August 2017  
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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Identification of the preparation	
Product Name:	FORTRON Eco Logic Advanced Oil System Cleaner
Product Code:	FELAOSC

  

1.2 Identification of the Company	
Manufacturer:	Fortron International
Address:	Unit 4 Cannel Road, Burnwtood Business Park, Burntwood, Staffordshire, Ws7 3FU
Country:	United Kingdom
Telephone:	01543 679 900
Fax:	01543 679 901
Emergency Phone Number:	01543 679 900 (office hours only)

## 2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture	
Classification under CLP:	Asp. Tox. 1: H304; Aquatic Chronic 2: H411; Flam. Liq.3: H226; Skin Irrit. 2: H315; STOT SE 3: H336
Most important adverse effects	Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

2.2 Label elements	
Hazard statements:	H226: Flammable liquid and vapour H304: May be fatal if swallowed and enters airways H315: Causes skin irritation H336: May cause drowsiness or dizziness H411: Toxic to aquatic life with long lasting effects
Hazard Pictograms:	 GHS02: Flame GHS07: Exclamation mark GHS08: Health Hazard GHS09: Environmental

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## 2.2 Label elements

Signal Words:	Danger
Precautionary statements:	P210: Keep away from heat, hot surfaces sparks, open flames and other ignition sources. No smoking.
Response:	P280: Wear protective gloves/protective clothing/eye protection/face protection. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE/ doctor/first aid. P331 Do NOT induce vomiting P303 + 361 + 353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P332 + 313: If skin irritation occurs: Get medical advice/attention.

## 2.3 Other Hazards

PBT:	This product is not identified as a PBT/vPvB substance
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Hazardous Ingredients:

#### KEROSINE (PETROLEUM) HYDRODESULPHURISED

EINECS	CAS	PBT/WEL	CLP Classification	Percent
265-184-9	64742-81-0	-	Flam. Liq.3: H226; Skin Irritant.2: H315; Asp. Tox. 1: H304; Aq. Chron. 2: H411; STOT SE 3: H336;	>70%

#### HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS - REACH registered number(s): 01-2119463258-33-XXXX

EINECS	CAS	PBT/WEL	CLP Classification	Percent
919-857-5	64742-48-9	-	Flam. Liq.3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; EUH066	10-30%

#### DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC

EINECS	CAS	PBT/WEL	CLP Classification	Percent
265-155-0	64742-52-5	-	Asp. Tox. 1: H304	10-30%

Non-classified ingredients:

#### ALCOHOLS, C9-11, BRANCHED AND LINEAR, ETHOXYLATED

EINECS	CAS	PBT/WEL	CLP Classification	Percent
500-446-0	160901-09-7	-	Eye Dam. 1: H318	<1%

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**ZINC BIS[O-(6-METHYLHEPTYL)] BIS[O-(SEC-BUTYL)] BIS(DITHIOPHOSPHATE) - REACH registered number(s): 01-2119543726-33-XXXX**

EINECS	CAS	PBT/WEL	CLP Classification	Percent
298-577-9	93819-94-4		Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 2: H411	<1%

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

Skin contact:	Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin
Eye contact:	Bathe the eye with running water for 15 minutes
Ingestion:	Do not induce vomiting. Wash out mouth with water. Consult a doctor
Inhalation:	Move to fresh air in case of accidental inhalation of vapours

### 4.2 Most important symptoms and effects, both acute and delayed

Skin contact:	There may be irritation and redness at the site of contact
Eye contact:	There may be irritation and redness
Ingestion:	Nausea and stomach pain may occur. There may be vomiting and diarrhoea
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment:	Do not induce vomiting. Eye bathing equipment should be available on the premises.
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## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing Media:	Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Use water spray to cool containers.
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### 5.2 Special hazards arising from the substance or mixture

Exposure hazards:	Flammable. In combustion emits toxic fumes
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### 5.3 Advice for fire-fighters

Advice for fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:	Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.
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### 6.2 Environmental precautions

Environmental precautions:	Do not discharge into drains or rivers. Contains the spillage using bunding.
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### 6.3 Methods and material for containment and cleaning up

Clean-up procedures:	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.
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### 6.4 Reference to other sections

Reference to other sections	Refer to section 8 of SDS
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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Handling requirements	Ensure there is sufficient ventilation of the area.
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### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Store in a cool, well ventilated area. Keep away from sources of ignition.
Suitable packaging:	Must only be kept in original packaging.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Controls parameters

Workplace exposure limits:	Respirable dust
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Hazardous ingredients

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS <2% AROMATICS

State	8hr TWA	15min STEL	8 hour TWA	15min. STEL
EU	-	-	1000mg/m <sup>3</sup>	-

DNEL/PNEC No data

### 8.2 Exposure controls

Engineering measures:	Ensure there is sufficient ventilation of the area.
Respiratory protection:	Respiratory protection not required.
Hand protection:	Gloves (solvent-resistant). Breakthrough time of the glove material > 4 hours.

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## 8.2 Exposure controls

Eye protection:	Safety glasses. Ensure eye bath is to hand.
Skin protection:	Protective clothing.
Environmental:	Prevent from entering in public sewers or the immediate environment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

State:	Liquid	Viscosity test method:	Kinematic viscosity in 10-6 m <sup>2</sup> /s at 40°C (ISO 3104/3105)
Colour:	Yellow	Boiling point/range°C:	140-250
Odour:	Solvent	Flammability limits %: lower:	No data available
Evaporation rate	Moderate	Flash point°C:	40
Oxidising:	Not applicable	Autoflammability°C:	>200
Solubility in water:	Slightly soluble	Relative density:	0.840 typical
Also soluble in:	Most organic solvents	VOC g/l:	No data available
Viscosity:	Non-viscous	Melting point/range°C:	<0°C
Kinematic viscosity:	<=20.5	upper:	No data available.
Part.coeff. n-octanol/water:	No data available	Vapour pressure	No data available
pH:	Not applicable		

### 9.2 Other information

Other information:	No data available.
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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Reactivity:	Stable under recommended transport or storage conditions
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### 10.2 Chemical stability

Chemical stability:	Stable under normal conditions
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### 10.3 Possibility of hazardous reaction

Hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
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### 10.4 Conditions to avoid

Conditions to avoid:	Heat. Hot surfaces. Sources of ignition. Flames
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### 10.5 Incompatible materials

Materials to avoid:	Oxidising agents. Reducing agents.
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## 10.6 Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Hazardous Ingredients:

#### KEROSINE (PETROLEUM) HYDRODESULPHURISED

Dermal	RBT	LD50	>2000mg/kg
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#### HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Dermal	RBT	LD50	>5000mg/kg
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ORAL	RAT	LD50	>5000mg/kg
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VAPOURS	RAT	LD50	>4.95mg/l
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#### ALCOHOLS, C9-11, BRANCHED AND LINEAR, ETHOXYLATED

DERMAL	RBT	LD50	>2000mg/kg
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ORAL	RAT	LD50	>2000mg/kg
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#### Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

### Symptoms/routes of exposure

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be irritation and redness.
Ingestion:	Nausea and stomach pain may occur. There may be vomiting and diarrhoea
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Hazardous Ingredients:

#### HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Daphnia magna	48H EC50	>1000mg/l
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RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	>1000mg/l
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12.2 Persistence and degradability	
Persistence and degradability:	Biodegradable.

12.3 Bioaccumulative potential	
Bioaccumulative potential	Bioaccumulation potential

12.4 Mobility in soil	
Mobility	Volatile. Floats on water

12.5 Results of PBT and vPvB assessment	
PBT identification:	This product is not identified as a PBT/vPvB substance

12.6 Other adverse effects	
Other adverse effects	Toxic to aquatic organisms

## 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment Methods	
Disposal operations:	Transfer to a suitable container and arrange for collection by specialised disposal company. NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14. TRANSPORT INFORMATION

14.1 UN number	
UN number:	UN1993

14.2 UN Proper shipping name	
Shipping name:	Flammable Liquid, NOS (Kerosine (Petroleum), Hydrodesulphurized)

14.3 Transport hazard classes	
Transport Class:	3

14.4 Packing group	
Packing group:	III

14.5 Environmental hazards	
Environmentally hazardous:	Yes
Marine pollutant:	Yes

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14.6 Special precautions for user	
Special precautions	Limited Quantity - 5 L/kg No special precautions
Tunnel code:	D/E
Transport category:	3

## 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
Specific regulations:	Not applicable

15.2 Chemical safety assessment	
A chemical safety assessment has not been carried out for the substance or the mixture by the supplier	

## 16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830	
Phrases used in s.2 and s.3:	EUH066: Repeated exposure may cause skin dryness or cracking.
	H226: Flammable liquid and vapour.
	H304: May be fatal if swallowed and enters airways.
	H315: Causes skin irritation.
	H318: Causes serious eye damage.
	H336: May cause drowsiness or dizziness.
	H411: Toxic to aquatic life with long lasting effects.

Further Information	
Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.	