



Safety Data Sheet - Fortron Eco Logic Advanced Diesel System Cleaner

Issue 1
Dated: 24th June 2017
Doc no: FISDS052
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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Identification of the preparation

Product Name:	FORTRON Eco Logic Advanced Diesel System Cleaner
Product Code:	FELADSC

1.2 Identification of the Company


Manufacturer:	Fortron International
Address:	Unit 4 Cannel Road, Burntwood 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; - : EUH044
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. Risk of explosion if heated under confinement.

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 EUH044: Risk of explosion if heated under confinement
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. 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

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%
2-ETHYLHEXYL NITRATE				
EINECS	CAS	PBT/WEL	CLP Classification	Percent
248-363-6	27247-96-7	—	Acute Tox 4 : H302 + 312 +332; Aq. Chron.2 H411 EUH044; - : EUH066	5-10%
2-ETHYLHEXAN - 1 - OL				
EINECS	CAS	PBT/WEL	CLP Classification	Percent
203-234-3	104-76-7	—	STOT SE 3: H335; Acute Tox 4: H332; Skin Irrit. 2: H315; Eye Irrit. 2: H319	1-5%

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous Ingredients:

POLYOLEFIN ALKYL PHENOL ALKYL AMINE

EINECS	CAS	PBT/WEL	CLP Classification	Percent
None	Proprietary	—	Skin Irrit. 2 H315	1-5%

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. Consult a doctor.
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

Immediate / special 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

Extinguishing Media:	Suitable extinguishing media for the surrounding fire should be used. 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. Contain 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

Hazardous ingredients

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

Workplace exposure limits:			Respirable dust	
State	8hr TWA	15min STEL	8 hour TWA	15min. STEL
EU	-	-	1000mg/m ³	-

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	Flammability limits %: lower:	No data available
Colour:	Orange	Flash point°C:	42
Odour:	Solvent	Autoflammability°C:	>200
Evaporation rate	Moderate	Relative density:	0.820 typical
Oxidising:	Not applicable	VOC g/l:	No data available
Solubility in water:	Insoluble	Melting point/range°C:	<0°C
Also soluble in:	Most organic solvents	upper:	No data available.
Viscosity:	Non-viscous	Part.coeff. n-octanol/water:	No data available.
Kinematic viscosity:	<=20.5	Vapour pressure:	No data available
Viscosity test method:	Kinematic viscosity in 10-6 m ² /s at 40°C (ISO 3104/3105)	pH:	Not applicable
Boiling point/range°C:	140-310		

9.2 Other information	
Other information:	No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity	
Reactivity:	Stable under recommended transport or storage conditions

10.2 Chemical stability	
Chemical stability:	Stable under normal conditions

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.

10.4 Conditions to avoid	
Conditions to avoid:	Direct sunlight. Heat. Sources of ignition. Flames.

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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2-ETHYLHEXYL NITRATE

ORAL	RAT	LD50	>10g/kg
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2-ETHYLHEXAN-1-OL

ORAL	RAT	LD50	2047mg/kg
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VAPOURS	RAT	LD50	0.89mg/l
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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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2-ETHYLHEXYL NITRATE		
ALGAE	72H ErC50	3.22mg/l
DAPHNIA	48H EC50	>12.6mg/l
FISH	96H LC50	2.0mg/l

12.2 Persistence and degradability

Persistence and degradability:	Biodegradable.
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12.3 Bioaccumulative potential

Bioaccumulative potential	Bioaccumulation potential
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12.4 Mobility in soil

Mobility	Volatile. Insoluble in water. Floats on water
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12.5 Results of PBT and vPvB assessment

PBT identification:	This product is not identified as a PBT/vPvB substance
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12.6 Other adverse effects

Other adverse effects	Toxic to aquatic organisms
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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.
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14. TRANSPORT INFORMATION

14.1 UN number

UN number	UN1993
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14.2 UN Proper shipping name

Shipping name:	Flammable Liquid, NOS (Kerosine (Petroleum), Hydrodesulphurized)
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14.3 Transport hazard classes

Transport class:	3
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14.4 Packing group

Packing group:	III
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14.5 Environmental hazards

Environmentally hazardous	Yes
Marine pollutant	Yes

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14.6 Special precautions for user

Tunnel code:	D/E
Transport category:	3

15. SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS

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

15.2 Chemical Safety Assessment

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:	EUH044: Risk of explosion if heated under confinement
	EUH066: Repeated exposure may cause skin dryness or cracking.
	H226: Flammable liquid and vapour.
	H302+312+332: Harmful if swallowed, in contact with skin or if inhaled.
	H304: May be fatal if swallowed and enters airways.
	H315: Causes skin irritation.
	H319: Causes serious eye irritation.
	H332: Harmful if inhaled.
	H335: May cause respiratory irritation.
	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.