Safety Data Sheet - Fortron Diesel Turbo Cleaner

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Identification of the preparation	
Product Name:	FORTRON DIESEL TURBO CLEANER
Product Code:	T1092
Intended use:	To clean diesel turbos

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:	01543679901
Emergency Phone Number:	01543679900

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:	

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2. HAZARD IDENTIFICATION

Signal Words:	Danger
Precautionary statements:	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P264: Wash skin thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+310: IF SWALLOWED: Immediately call a first aid. P331: Do NOT induce vomiting.

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), HYDRODESULPHURIZED				
EINECS	CAS	PBT / WEL	CLP Classification	Percent
265-184-9	64742-81-0	-	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Asp. Tox. 1: H304; Aquatic Chronic 2: H411; STOT SE 3: H336	70%

2-ETHYLHEXYL NITRATE				
248-363-6	27247-96-7	-	Acute Tox. 4: H302+312+332; Aquatic Chronic 2: H411; -: EUH044; -: EUH066	10-30%

2-ETHYLHEXAN-1-OL				
203-234-3	104-76-7	-	STOT SE 3: H335; Acute Tox. 4: H332; Skin Irrit. 2: H315; Eye Irrit. 2: H319	5-10%

ORGANOMETALLIC FERROUS COMPOUND				
610-505-3	501410-94-2	-	STOT RE 2: H373; Aquatic Chronic 2: H411	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.
Ingestion:	Do not induce vomiting. Wash out mouth with water. Consult a doctor.
Inhalation:	TMove to fresh air in case of accidental inhalation of vapours. Consult a doctor.

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4. FIRST AID MEASURES

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.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media	
Extinguishing media:	Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture	
Exposure hazards:	Flammable. In combustion emits toxic fumes.

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.

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.

6.2 Environmental precautions	
Environmental precautions:	Do not discharge into drains or rivers. Contain the spillage using bunding.

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

7. HANDLING AND STORAGE

7.1 Precautions for safe handling	
Handling requirements	Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities	
Storage conditions:	Store in a cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight.
Suitable packaging:	Must only be kept in original packaging.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace exposure limits: No data available

DNEL/PNEC Values	
DNEL/PNEC	No data available

8.2 Exposure controls	
Engineering measures	Ensure there is sufficient ventilation of the area
Respiratory protection	Respiratory protection not required.
Hand protection	Impermeable gloves.
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
Colour:	Dark red
Odour:	Characteristic odour
Evaporation rate:	Moderate
Oxidising:	Not applicable.
Solubility in water:	Insoluble
Viscosity:	Non-viscous
Kinematic viscosity:	<7.0
Viscosity test method:	Kinematic viscosity in 10-6 m2/s at 40°C (ISO 3104/3105)

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties			
Boiling point/range°C:	150-300	Melting point/range °C	Not applicable
Flamability limits %: lower:	No data available.	Upper	No data available
Flash point°C:	40	Part.coeff. n-octanol/water	No data available
Autoflammability°C:	>200	Vapour pressure	No data available
Relative density:	0.840 typical	pH	Not applicable
VOC g/l:	No data available.		

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. Hot surfaces. Sources of ignition. Flames.

10.5 Incompatible materials	
Materials to avoid:	Oxidising agents. Reducing agents.

10.6 Hazardous decomposition products	
Haz. decomp. products:	In combustion emits toxic fumes.

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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Hazardous ingredients:

KEROSINE (PETROLEUM), HYDRODESULPHURIZED				
DERMAL	RBT	LD50	>2000	mg/kg

2-ETHYLHEXYL NITRATE				
ORAL	RAT	LD50	>10	mg/kg

2-ETHYLHEXAN-1-OL				
ORAL	RAT	LD50	2047	mg/kg
VAPOURS	RAT	LD50	0.89	mg/kg

2-ETHYLHEXAN-1-OL				
ORAL	RAT	LD50	2047	mg/kg
VAPOURS	RAT	LD50	0.89	mg/kg

ORGANOMETALLIC FERROUS COMPOUND				
DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

Relevant hazards for product:		
Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
STOT-single exposure	—	Hazardous: calculated
Aspiration hazard	—	Hazardous: calculated

11.2 Symptoms/routes of exposure	
Skin contact:	There may be mild irritation 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

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12. ECOLOGICAL INFORMATION

12.1 Toxicity
Hazardous ingredients:

2-ETHYLHEXYL NITRATE			
ALGAE	72H ErC50	3.22	mg/l
DAPHNIA	48H EC50	>12.6	mg/l
FISH	96H LC50	2.0	mg/l

12.2 Persistence and degradability	
Persistence and degradability:	Biodegradable.

12.3 Bioaccumulative potential	
Bioaccumulative potential	No data available.

12.4 Mobility in soil	
Mobility	Volatile. Floats on water. Insoluble in 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, N.O.S. (KEROSINE (PETROLEUM), HYDRODESULPHURIZED)

14.3 Transport hazard class(es)	
Transport class:	3

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14.4 Packing group	
Packing group:	III

14.5 Environmental hazards	
Environmentally hazardous:	Yes
Marine pollutant	Yes

14.6 Special Precautions for User	
Tunnel code:	D/E
Transport category:	3

16. OTHER INFORMATION

16.1 Other information	
Other information:	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830. * indicates text in the SDS which has changed since the last revision.
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. H373: May cause damage to organs or state all organs affected, if known through prolonged or repeated exposure state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard. H411: Toxic to aquatic life with long lasting effects.
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.