

Safety Data Sheet - Diesel Intake & EGR Cleaner

Revision 2
Dated: 27th October 2020
Doc no: FISDS064
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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
Product Name:	FORTRON DIESEL INTAKE & EGR CLEANER
Product Code:	FDIEGRC1


1.2 Relevant identified uses of the substance or mixture and uses advised against	
Use of substance/mixture:	PC35:Washing and cleaning products (including solvent based products).

1.3 Details of the supplier of the safety data sheet	
Manufacturer:	Fortron International Limited
Address:	Unit 2 Europark, A5 Watling Street, Clifton-upon-Dunsmore, Rugby CV23 0AL
Country:	United Kingdom
Telephone:	01788 860286
Fax:	01788 860340

1.4 Emergency telephone number	
01788 860286 (office hours only)	

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture	
Classification under CLP:	Eye Irrit. 2: H319
Most important adverse effects:	Causes serious eye irritation

2.2 Label elements	
Hazard statements:	H319: Causes serious eye irritation
Hazard pictograms:	GHS07: Exclamation mark 
Signal words:	Warning
Precautionary statements:	P264: Wash hands thoroughly after handling. P280: Wear eye protection. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313: If eye irritation persists: Get medical attention.

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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:

2-(2-BUTOXYETHOXY)ETHANOL - REACH registered number(s): 01-2119475104-44

EINECS	CAS	PBT/WEL	CLP Classification	Percent
203-961-6	112-34-5	-	Eye Irrit. 2: H319	10-30%

(2-METHOXYMETHYLETHOXY)PROPANOL - REACH registered number(s): 01-2119450011-60

EINECS	CAS	PBT/WEL	CLP Classification	Percent
252-104-2	34590-94-8	Substance with a Community workplace exposure limit.	—	10-30%

PROPANE-1,2-DIOL - REACH registered number(s): 01-2119456809-23

EINECS	CAS	PBT/WEL	CLP Classification	Percent
200-338-0	57-55-6	Substance with a Community workplace exposure limit.	—	10-30%

4. FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact:	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion:	Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact:	There may be mild irritation at the site of contact
Eye contact:	There may be irritation and redness. The eyes may water profusely
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

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:	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:	Do not attempt to take action without suitable protective clothing - see section 8 of SDS. 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.
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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:	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.
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7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Store in a cool, well ventilated area. Keep container tightly closed.
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7.3 Specific end use(s)

Specific end use(s):	No data available.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Controls parameters	
Hazardous ingredients:	2-(2-BUTOXYETHOXY)ETHANOL
Workplace exposure limits:	Respirable dust

State	8hr TWA	15min STEL	8 hour TWA	15min. STEL
UK	67.5 mg/m ³	101.2 mg/m ³	-	-

(2-METHOXYMETHYLETHOXY)PROPANOL	
UK	50ppm(sk)

PROPANE-1,2-DIOL	
EU	474mg/m ³

DNEL/PNEC Values	
DNEL / PNEC	No data available

8.2 Exposure controls	
Engineering measures:	Ensure there is sufficient ventilation of the area.
Respiratory protection:	Self-contained breathing apparatus must be available in case of emergency.
Hand protection:	Protective gloves.
Eye protection:	Safety glasses. Ensure eye bath is to hand.
Skin protection:	Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties			
State:	Liquid	Flash point:	>70
Colour:	Colourless	Autoflammability°C:	>200
Odour:	Characteristic odour	Relative density:	0.995 typical
Evaporation rate:	Slow	Melting point/range°C:	No data available.
Oxidising:	Not applicable	Part.coeff. n-octanol/water:	No data available.
Solubility in water:	Soluble.	Vapour pressure:	No data available.
Viscosity:	Non-viscous	pH:	Approx. 7
Boiling point/range°C:	100		
Flammability limits %: lower:	No data available	Upper:	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.

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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:	Heat.

10.5 Incompatible materials	
Materials to avoid:	Strong oxidising agents. Strong acids

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

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Hazardous Ingredients:

2-(2-BUTOXYETHOXY)ETHANOL

ORL	MUS	LD50	6050mg/kg
ORL	RAT	LD50	4500mg/kg

(2-METHOXYMETHYLETHOXY)PROPANOL

DERMAL	RBT	LD50	9150mg/kg
ORAL	RAT	LD50	>5000mg/kg

PROPANE-1,2-DIOL

DERMAL	RBT	LD50	>2000mg/kg
ORAL	RAT	LD50	>20000mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms/routes of exposure

Skin contact:	There may be mild irritation at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Hazardous Ingredients:

(2-METHOXYMETHYLETHOXY)PROPANOL

DAPHNIA	48H EC50	1919mg/l
FISH	96H LC50	>1000mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	96H ErC50	> 969mg/l

PROPANE-1,2-DIOL

Daphnia magna	48H EC50	> 4000mg/l
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	40613mg/l
Scenedesmus Subspicatus	48H EC50	19000mg/l

12.2 Persistence and degradability

Persistence and degradability: Biodegradable

12.3 Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential

12.4 Mobility in soil

Mobility: Readily absorbed into soil. Soluble 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: Negligible ecotoxicity

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

Transport class: This product does not require a classification for transport.

15. REGULATORY INFORMATION

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

Specific regulations:	Not applicable.
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15.2 Chemical Safety Assessment

Chemical safety assessment:	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.
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16. OTHER INFORMATION

16.1 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:	H319: Causes serious eye irritation.
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.

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