

SAFETY DATA SHEET
according to Regulation (EU) 2015/830

Page 1/8

CLEARWINNER FLEET TREAT

Revision 3
Revision date 2018-07-11

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	CLEARWINNER FLEET TREAT
Product code	QAFS726

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

Product Use	[SU21] Consumer uses: Private households (= general public = consumers); ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen);
Description	Diesel Fuel Treatment.

1.3. Details of the supplier of the safety data sheet


Company	Clearwinner Innovation Ltd
Address	Unit 2 Hastings Court Collingham Wetherby West Yorks LS22 5AW
Telephone	07595221498
Email	sales@clear-winner.co.uk
Email address of the competent person	sales@clear-winner.co.uk

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Acute Tox. 4: H332;
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2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H312 - Harmful in contact with skin. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. Acute Tox. 4: H332 - Harmful if inhaled.
Precautionary Statement: Prevention	P280 - Wear protective gloves/protective clothing/eye protection/face protection.

CLEARWINNER FLEET TREAT

Revision 3

Revision date 2018-07-11

2.2. Label elements

Precautionary Statement: Response	P301+P310+P330+P331 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. Do NOT induce vomiting. P302+P352 - IF ON SKIN: Wash with plenty of water/ . P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved disposal site, in accordance with local regulations.

2.3. Other hazards

Other hazards	PBT not identified as a PBT substance.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
2-butoxyethanol	603-014-00-0	111-76-2	203-905-0	01-2119475108-36	90 - 100%	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;
2-Ethyl-1-hexanol (2-ethylhexan-1-ol)		104-76-7	203-234-3	01-2119487289-20	1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Acute Tox. 4: H332; STOT SE 3: H335;

Further information

Product Shelf Life	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash with water and soap as a precaution.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

Inhalation	Harmful by inhalation. May cause irritation to respiratory system.
Eye contact	Harmful. Causes eye irritation.
Skin contact	Harmful in contact with skin. Causes skin irritation.
Ingestion	Harmful if swallowed. May cause irritation to mucous membranes.

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

Inhalation	Move the exposed person to fresh air. Seek medical attention. Show this safety data sheet to the doctor in attendance.
Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water. Seek medical attention. Show this safety data sheet to the doctor in attendance.
Skin contact	Remove contaminated clothing. Seek medical attention. Show this safety data sheet to the doctor in attendance.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Show this safety data sheet to the doctor in attendance.

General information

	If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.
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SECTION 5: Firefighting measures

CLEARWINNER FLEET TREAT

Revision 3

Revision date 2018-07-11

5.1. Extinguishing media

This product is not flammable . Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

Further information

In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment.

6.2. Environmental precautions

Advise local authorities if large spills cannot be contained.

6.3. Methods and material for containment and cleaning up

For large spills:. Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. For small spills:. Flush down the drain with plenty of water.

6.4. Reference to other sections

See section 2, 7, 8, 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Do not breathe vapours or spray mist. Adopt best Manual Handling considerations when handling, carrying and dispensing.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry area. Keep container tightly closed. Keep out of the reach of children. Store in original container.

7.3. Specific end use(s)

No data is available on this product.

Suitable packaging

Plastic containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure controls.

8.1.1. Exposure Limit Values

CLEARWINNER FLEET TREAT

Revision 3

Revision date 2018-07-11

8.1.1. Exposure Limit Values

2-butoxyethanol	WEL 8-hr limit ppm: 25	WEL 8-hr limit mg/m ³ : 123
	WEL 15 min limit ppm: 50	WEL 15 min limit mg/m ³ : 101.2
	WEL 8-hr limit mg/m ³ total inhalable dust: -	WEL 15 min limit mg/m ³ total inhalable dust: -
	WEL 8-hr limit mg/m ³ total respirable dust: -	WEL 15 min limit mg/m ³ total respirable dust: -
2-Ethyl-1-hexanol (2-ethylhexan-1-ol)	DIR: 2017/164	8hTWA mg/m ³ : 5.4
	8hTWA ppm: 1	STEL mg/m ³ : -
	STEL ppm: -	NOT: -

DNEL: Derived no-effect level.


Exposure Pattern - Workers

2-butoxyethanol	Acute inhalation - Systemic effects	1091 mg/m ³	
	Acute inhalation - Local effects	246 mg/m ³	Acute dermal - Systemic effects
	Long-term - inhalation - Systemic effects	98 mg/m ³	Long-term - dermal - Systemic effects
			89 mg/kg
			125 mg/kg

Exposure Pattern - General population

2-butoxyethanol	Acute inhalation - Systemic effects	426 mg/m ³	
	Acute dermal - Systemic effects	89 mg/kg	Acute oral - Systemic effects
	Long-term - inhalation - Systemic effects	59 mg/m ³	Long-term - inhalation - Local effects
			26.7 mg/kg
			147 mg/m ³
	Long-term - dermal - Systemic effects	75 mg/kg	Long-term - oral - Systemic effects
			6.3 mg/kg

8.2. Exposure controls

8.2.1. Appropriate engineering controls	
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.
	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location.
	Eye / face protection
	Avoid contact with eyes. If splashes are likely to occur, wear: safety glasses with side-shields.
Skin protection - Handprotection	Rubber gloves.
Respiratory protection	No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.
8.2.3. Environmental exposure controls	Prevent further leakage or spillage if safe to do so.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

CLEARWINNER FLEET TREAT

Revision 3

Revision date 2018-07-11

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Clear
Odour	Mild/Aromatic
Odour threshold	No data available
pH	No data available
Melting point	-75 °C
Initial boiling point	168 - 172 °C
Flash point	67 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper Explosive Limit	10.6 %
Lower Explosive Limit	1.1 %
Vapour pressure	0.89 Pa
Vapour density	No data available
Relative density	0.88 - 0.92 g/cm3
Partition coefficient	0.81 log P
Autoignition temperature	230 °C
Viscosity	< 100 centipoise
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Slightly miscible in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions. No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal conditions. No particular stability concerns.

10.3. Possibility of hazardous reactions

Strong acids. Strong oxidising agents.

10.4. Conditions to avoid

Protect from frost.

10.5. Incompatible materials

No incompatible groups noted.

10.6. Hazardous decomposition products

No Hazardous decomposition products when stored and handled correctly. Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been

CLEARWINNER FLEET TREAT

Revision 3

Revision date 2018-07-11

11.1. Information on toxicological effects

Acute toxicity	calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).
Skin corrosion/irritation	Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
Serious eye damage/irritation	Skin Irrit. 2: H315 - Causes skin irritation.
Respiratory or skin sensitisation	Eye Irrit. 2: H319 - Causes serious eye irritation.
Germ cell mutagenicity	based on available data the classification criteria are not met.
Carcinogenicity	based on available data the classification criteria are not met.
Reproductive toxicity	based on available data the classification criteria are not met.
STOT-single exposure	based on available data the classification criteria are not met.
STOT-repeated exposure	based on available data the classification criteria are not met.
Aspiration hazard	based on available data the classification criteria are not met.

11.1.2. Mixtures

	No data available.
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11.1.3. Hazard Information

	No data available.
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11.1.4. Toxicological Information

2-Ethyl-1-hexanol	Inhalation Rat LC50/4 h: >0.89mg/l Oral Rat LD50: 2047mg/kg	Dermal Rat LD50: >3000mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

2-butoxyethanol	EC50 for marine or freshwater organisms >100.0000 mg/l	LC50 for marine or freshwater organisms >100.0000 mg/l
2-Ethyl-1-hexanol	Daphnia EC50/48h: 39.0000 mg/l Algae EC50/72h: 11.5 mg/l	Fish LC50/96h: 28.2000 mg/l

12.2. Persistence and degradability

	Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.
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12.3. Bioaccumulative potential

	No data is available on this product.
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Partition coefficient

	CLEARWINNER FLEET TREAT 0.81 log P	2-butoxyethanol 0.8 log P
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12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	No data is available on this product.
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12.6. Other adverse effects

	No data available.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of waste and residues in accordance with local authority requirements.
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CLEARWINNER FLEET TREAT

Revision 3

Revision date 2018-07-11

General information	
	Dispose of in compliance with all local and national requirements.

Disposal of packaging	
	Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

SECTION 14: Transport information
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14.1. UN number	
	The product is not classified as dangerous for carriage.

14.2. UN proper shipping name	
	The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)	
	The product is not classified as dangerous for carriage.

14.4. Packing group	
	The product is not classified as dangerous for carriage.

14.5. Environmental hazards	
	The product is not classified as dangerous for carriage.

14.6. Special precautions for user	
	The product is not classified as dangerous for carriage.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
	The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
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Regulations	<p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>
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15.2. Chemical safety assessment	
	No information available.

SECTION 16: Other information

Other information	
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Revision	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Response. 2 - Precautionary Statement: Disposal. 4 - Eye contact. 4 - Skin contact. 9 - 9.1. Information on basic physical and chemical properties (Oxidising properties). 11 - Acute toxicity.
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CLEARWINNER FLEET TREAT

Revision 3

Revision date 2018-07-11

Other information

	<p>11 - Skin corrosion/irritation. 11 - 11.1. Information on toxicological effects. 11 - Serious eye damage/irritation. 14 - 14.6. Special precautions for user. 14 - 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code. 16 - Data sources.</p>
Data sources	<p>Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008:.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed. - Calculation Method. Acute Tox. 4: H312 - Harmful in contact with skin. - Calculation Method. Skin Irrit. 2: H315 - Causes skin irritation. - Calculation Method. Eye Irrit. 2: H319 - Causes serious eye irritation. - Calculation Method. Acute Tox. 4: H332 - Harmful if inhaled. - Calculation Method.</p>
Text of Hazard Statements in Section 3	<p>Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H312 - Harmful in contact with skin. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. Acute Tox. 4: H332 - Harmful if inhaled. STOT SE 3: H335 - May cause respiratory irritation.</p>
Further information	
	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p>