

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

Page 1/8

Clearwinner CFI Cold Flow Improver

Revision 18

Revision date 2018-07-12

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

1.1. Product identifier

Product name	Clearwinner CFI Cold Flow Improver
Product code	QAFS664

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

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen);
Description	An effective Pour Point Depressant suitable for all diesel fuels.

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	: EUH066; Asp. Tox. 1: H304; Carc. 2: H351; Aquatic Chronic 3: H412;
---	--

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	EUH066 - Repeated exposure may cause skin dryness or cracking. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Carc. 2: H351 - Suspected of causing cancer . Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P201 - Obtain special instructions before use. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P310+P330+P331 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. Do NOT induce vomiting.

Clearwinner CFI Cold Flow Improver

Revision 18

Revision date 2018-07-12

2.2. Label elements

Precautionary Statement: Storage	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P405 - Store locked up.
	P501 - Dispose of contents/container to an approved disposal site, in accordance with local regulations.
Precautionary Statement: Disposal	

2.3. Other hazards

Other hazards	PBT not identified as a PBT substance.
---------------	--

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
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics			926-141-6	01-2119456620-43	70 - 80%	: EUH066; Asp. Tox. 1: H304;
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	649-424-00-3	64742-94-5	265-198-5	01-2119463588-24	10 - 20%	Asp. Tox. 1: H304;
naphthalene (Naphthalene)	601-052-00-2	91-20-3	202-049-5		1 - 10%	Carc. 2: H351; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
mesitylene	601-025-00-5	108-67-8	203-604-4		0.5 - 1%	Flam. Liq. 3: H226; STOT SE 3: H335; Aquatic Chronic 2: H411;
1,2,4-trimethylbenzene	601-043-00-3	95-63-6	202-436-9		0.5 - 1%	Flam. Liq. 3: H226; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Aquatic Chronic 2: H411;

Further information

Product Shelf Life	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
--------------------	--

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. May cause irritation to eyes.
Skin contact	Harmful in contact with skin. May cause irritation to skin.
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.

Clearwinner CFI Cold Flow Improver

Revision 18

Revision date 2018-07-12

General information

If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.

SECTION 5: Firefighting measures

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 CFI Cold Flow Improver

Revision 18
Revision date 2018-07-12

8.1.1. Exposure Limit Values

1,2,4-trimethylbenzene	DIR: 2017/164 8hTWA ppm: 20 STEL ppm: -	8hTWA mg/m3: 100 STEL mg/m3: - NOT: -
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 1200 WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
mesitylene	DIR: 2017/164 8hTWA ppm: 20 STEL ppm: -	8hTWA mg/m3: 100 STEL mg/m3: - NOT: -
naphthalene (Naphtalene)	DIR: 2017/164 8hTWA ppm: 10 STEL ppm: -	8hTWA mg/m3: 50 STEL mg/m3: - NOT: -

8.2. Exposure 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.
8.2.1. Appropriate engineering controls	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 CFI Cold Flow Improver

Revision 18

Revision date 2018-07-12

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Amber
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	No data available
Initial boiling point	240 °C
Flash point	70 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	0.818 - 0.83 g/cm ³
Partition coefficient	No data available
Autoignition temperature	> 200 °C
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Immiscible 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

Acute toxicity	This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP). based on available data the classification criteria are not met.
-----------------------	---

Clearwinner CFI Cold Flow Improver

Revision 18
Revision date 2018-07-12

11.1. Information on toxicological effects

Skin corrosion/irritation	based on available data the classification criteria are not met.
Serious eye damage/irritation	based on available data the classification criteria are not met.
Respiratory or skin sensitisation	based on available data the classification criteria are not met.
Germ cell mutagenicity	based on available data the classification criteria are not met.
Carcinogenicity	Carc. 2: H351 - Suspected of causing cancer .
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	Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

11.1.2. Mixtures

	No data available.
--	--------------------

11.1.3. Hazard Information

	No data available.
--	--------------------

11.1.4. Toxicological Information

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Oral Rat LD50: >5000mg/kg	Dermal Rabbit LD50: >5000mg/kg
--	---------------------------	--------------------------------

SECTION 12: Ecological information

12.1. Toxicity

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Daphnia EC50/48h: 1000.0000 mg/l	Fish LC50/96h: 1000.0000 mg/l
--	----------------------------------	-------------------------------

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

	No data is available on this product.
--	---------------------------------------

Partition coefficient

	Clearwinner CFI Cold Flow Improver No data available
--	--

12.4. Mobility in soil

	No data is available on this product.
--	---------------------------------------

12.5. Results of PBT and vPvB assessment

	No data is available on this product.
--	---------------------------------------

12.6. Other adverse effects

	No data available.
--	--------------------

SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of waste and residues in accordance with local authority requirements.
--	--

General information

	Dispose of in compliance with all local and national requirements.
--	--

Clearwinner CFI Cold Flow Improver

Revision 18

Revision date 2018-07-12

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

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

Regulations

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.

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.

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:.

2 - Precautionary Statement: Prevention.

2 - Precautionary Statement: Response.

2 - Precautionary Statement: Disposal.

11 - 11.1.4. Toxicological Information.

11 - Carcinogenicity.

11 - 11.1. Information on toxicological effects.

11 - Aspiration hazard.

12 - 12.1. Toxicity.

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.

Clearwinner CFI Cold Flow Improver

Revision 18

Revision date 2018-07-12

Other information

	16 - Data sources.
Data sources	<p>Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008:.</p> <p>Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. - Calculation Method.</p> <p>Carc. 1B: H350i - May cause cancer by inhalation. Calculation Method.</p> <p>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. - Calculation Method.</p>
Text of Hazard Statements in Section 3	<p>EUH066 - Repeated exposure may cause skin dryness or cracking.</p> <p>Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Carc. 2: H351 - Suspected of causing cancer .</p> <p>Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> <p>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p> <p>Acute Tox. 4: H332 - Harmful if inhaled.</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>
--	---