1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Material name : Diesel Fuel Conditioner
Product code : SXDFC400

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

Product use : Vehicle fuel system additive.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: Central Solutions (GB) Ltd
Sol-X House
Windmill Lane
Norton
Doncaster
DN6 9AT

Tel. : +44 (0) 1302 708895
Fax. : +44 (0) 1302 708895

Email (for SDSs) : info@solxsolutions.com

1.4 Emergency tel. no. : +44 (0) 1302 708895 (Office Hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation:

Flammable liquid Cat.2
Aspiration hazard Cat.1
Skin Irritation Cat.2
STOT SE Cat.3, Narcotic effects
Repr. Cat.2
STOT RE Cat.2, Inhalation, CNS
Aquatic Chronic Cat.2

2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC:
Signal word: Danger **Contains:** Distillates (Petroleum) Hydrotreated Light, Toluene

Pictogram(s):

H-Statements:

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

P-Statements:	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P280	Wear protective gloves/eye protection/face protection.
	P301+P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
	P331	Do NOT induce vomiting.
	P302+352	IF ON SKIN: Wash with plenty of water.
	P332+313	If skin irritation occurs: Get medical advice/attention.
	P273	Avoid release to the environment.
	P501	Dispose of contents/container in accordance with national regulations.

2.3 Other hazards: No data available**.**

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

Chemical Name	CAS No./ EC No./ Reg. No	Classification (1272/2008/EC)	Content
DISTILLATES (PETROLEUM) HYDROTREATED LIGHT .	64742-47-8 265-149-8 01-2119484819-18-0010	Sk.Irrit.2; H315 Asp.Tox.1; H304 STOT SE3; H336 Aquatic Chronic 2; H411	70-90%
XYLENE	1330-20-7 215-535-7 01-2119488216-32-xxxx	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Acute Tox.4; H312 Acute Tox.4; H332	1-10%
TOLUENE	108-88-3 203-625-9 01-2119471310-51-0000	Flam.Liq.2; H225 Asp.Tox.1; H304 Sk.Irrit.2; H315 STOT SE3; H336 Repr.2; H361d STOT RE2; H373	1-10%

See Section 16 for the full text of the H-statements noted above.

(1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation).

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Skin contact: Wash with soap and water. Seek medical advice if irritation develops.

Eye contact: Rinse with water for 10 minutes and seek medical advice if irritation persists.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

Inhalation : Inhalation of high levels of vapour may cause CNS depression and narcosis. Remove to fresh air, give oxygen or artificial respiration and seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

High levels of vapour may cause irritation to eyes, nose or throat.

4.3 Indication of any immediate medical attention and special treatment needed

See inhalation information above.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:	Carbon dioxide; dry chemical powder; alcohol or polymer foam.
Unsuitable extinguishing media:	High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting:	Irritating/toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters:

Special protective equipment:	Wear self-contained breathing apparatus. Use personal protective equipment.
Further information:	Standard procedure for chemical fires. Use water spray to cool unopened containers. Do not allow fire run-off to enter drains.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel.
Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Prevent product from entering drains. If product enters waterways, inform relevant authorities.

6.3 Methods and materials for containment and cleaning up

Wipe up any liquid spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

6.4 References to other sections

See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Handle with care.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area. Protect from frost, heat and sunlight. Incompatible with oxidising agents. Keep away from food, drink and animal feed.

7.3 Specific end use(s)

No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Chemical name	8hr TWA	15min STEL	Comment	Reference
Distillates (Petroleum) Hydrotreated Light	200 mg/m$_3$	-	-	Supplier
Xylene	220 mg/m$_3$/50 ppm	441 mg/m$_3$100 ppm	(Sk)	EH40/2005
Toluene	191 mg/m$_3$/50 ppm	384 mg/m$_3$100 ppm	(Sk)	EH40/2005

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection: Unlikely to be necessary in normal circumstances; if vapour levels are high, wear a respirator conforming to EN 140 with type A filter or better.

Hand protection: Wear chemically resistant gloves such as butyl rubber approved to standard EN 374; material thickness 0.5mm; break through time ≥ 480 min. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice. (Sk) noted above means can be absorbed through skin.

Eye protection: Chemical splash goggles and/or face shield should be worn. The selected goggles or glasses must satisfy the European standard EN 166.

Skin and body protection: Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. The selected protective clothing has to satisfy the standard EN 13034, which describes clothing offering limited 8 hour protection against splashes. Use PPE that is chemically resistant to the product and prevents skin contact.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour	Clear colourless liquid
Odour	Characteristic
Odour Threshold	No data available
Flammability	Highly Flammable
Flash point	0-23°C
Lower explosion limit	0.8%
Upper explosion limit	7.1%
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	>220°C
Oxidising properties	Non-oxidising
Solubility in water	Insoluble
Solubility in other solvents	Most organic
pH	Not applicable
Melting point/range	No data available
Boiling point/range	110-290°C
Relative density	0.8 @ 20°C
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	No data available
Evaporation rate	No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity Generally non-reactive. May partially oxidise on contact with air.

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions None if stored and used as directed.

10.4 Conditions to avoid Naked flames, ignition sources.

10.5 Incompatible materials Strong **o**xidising agents.

10.6 Hazardous decomposition products Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Distillates (Petroleum) Hydrotreated Light	>5000 mg/kg (Rat)	>5 mg/l (Rat) 4h	>2000 mg/kg (Rabbit)
Xylene	5251 mg/kg (Mouse)	5000 ppm (Rat) 4h	>1700 mg/kg (Rabbit)
Toluene	>5000 mg/kg (Rat)	No data available	>5000 mg/kg (Rabbit)

Skin corrosion/irritation: Irritating to skin.
Serious eye damage/eye irritation: May be slightly irritating to eyes.
Respiratory or skin sensitisation: Not classed as a respiratory or skin sensitizer.
Repeated dose toxicity: No data available.
Carcinogenicity: Not carcinogenic.
Mutagenicity: Not mutagenic.
Toxicity for reproduction: Toluene is suspected of damaging the unborn child. Does not impair fertility.

Specific target organ toxicity (STOT): High vapour concentrations may cause central nervous system depression resulting in headaches, nausea and dizziness, continued inhalation may result in unconsciousness or even death.

Further information Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
Distillates (Petroleum) Hydrotreated Light	Daphnia	LL/EL/IL50	>1<=10 mg/l
	Fish	LL/EL/IL50	>1<=10 mg/l
	Algae	LL/EL/IL50	>1<=10 mg/l
Xylene	Daphnia	EC50 24h	3.82 mg/l
	Rainbow trout	LC50 96h	2.6 mg/l
	Algae	EC50 24h	4.63 mg/l
Toluene	Daphnia	EL50	>1<=10 mg/l
	Rainbow trout	LL50	>1<=10 mg/l
	Algae	EL50	>100 mg/l

12.2 Persistence and degradability Inherently biodegradable. Will oxidise rapidly by photochemical reactions in air.
12.3 Bioaccumulative potential Contains constituents with the potential to bioaccumulate.
12.4 Mobility in soil Floats on water. Large volumes may penetrate soil and contaminate ground water.
12.5 Results of PBT and vPvB assessment Contains no PBT or vPvB substances.
12.6 Other adverse effects Films formed on water may affect oxygen transfer and damage organisms.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations. Do not dispose of waste into sewer.
Do not dispose of together with household waste. Contact licensed waste disposal company.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not burn or use a cutting torch on the empty container.

14. TRANSPORT INFORMATION

14.1 UN number: 1993

14.2 UN proper shipping name: FLAMMABLE LIQUID N.O.S (DISTILLATES [PETROLEUM] HYDROTREATED LIGHT)

14.3 Transport hazard class(es): Class: 3

Transport label(s):

14.4 Packing Group: II

14.5 Environment hazards: Marine Pollutant: Yes

14.6 Special precautions for user: EMS: F-E, S-E

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

15. REGULATORY INFORMATION

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

Volatile Organic Compounds (VOC) content: 800 g/l. (Directive 1999/13/EC)

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been performed on this product.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Commission Regulation (EU) No.453/2010.

Full text of H-statements referred to under sections 2 and 3

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.
STOT: Single Target Organ Toxicity (Section 3 and 11).
TWA: Time-weighted average. (Section 8).
STEL: Short-term exposure limit. (Section 8).
DNEL: Derived no effect level – a level above which humans should not be exposed. (Section 8).
EC50: Effective Concentration, 50 percent. (Section 12).
LC50: Lethal Concentration, 50 percent. (Section 11/12).
LD50: Lethal Dose, 50 percent. (Section 11).

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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