

# Safety Data Sheet

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)



## XO1964D Diesel Supreme

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Product Name:** XO1964D Diesel Supreme  
**Product Description:** Liquid fuel additive for diesel or gas oil  
**Trade name:** Diesel Supreme (XO1964D)  
**CAS No.:** No CAS number assigned to mixture  
**EC No.:** No EC number assigned to mixture

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

**Identified use(s):** Liquid fuel additive

#### 1.3 Details of the supplier of the safety data sheet

**Company identification:** Fuel Additive Science Technologies Limited  
Unit 29 Atcham Business Park,  
Upton Magna, Shrewsbury,  
Shropshire, SY4 4UG  
Tel: +44 1743 761415

#### 1.4 Emergency telephone number

**In case of emergency** Tel. 0844 560 5135 (24 hours, 7 days)

### 2. Hazard Identification

#### 2.1 Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008 (CLP)

Acute Tox. 4; H312  
Acute Tox. 4; H332  
Eye Irrit. 2; H319  
Carc. 2; H351  
Aquatic Chronic 2; H411

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According to Directive 67548/EEC & Directive 199/45/EC

Xn, Xi, N

R20/21

R36

R40

R51/53

## 2.2 Label elements

### 2.2.1 According to Regulation (EC) No. 1272/2008 (CLP)

**Hazard pictogram(s):**



**Signal Word:**

Danger

**Hazard Statement(s):**

H312: Harmful in contact with skin

H332: Harmful if inhaled.

H319: Causes serious eye irritation

H351: Suspected of causing cancer

H411: Toxic to aquatic life with long lasting effects

**Precautionary Statement(s):**

P261: Avoid breathing

dust/fume/gas/mist/vapours/spray

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P201+P202+P281: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing / eye protection/ face protection.

P301+ P312: IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P330: Rinse mouth.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

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P337+P313: If eye irritation persists: Get medical advice/attention.  
P308+P313: IF exposed or concerned: Get medical advice/attention.  
P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
P273: Avoid release to the environment.  
P391: Collect spillage.  
P405: Store locked up.  
P501: Dispose of contents/container to: disposal should be in accordance with local, state or national legislation.

## 2.2.2 According to Directive 67/548/EEC & Directive 1999/45/EC

**Hazard pictogram(s):**



**Hazard Symbol(s):**

Harmful, Dangerous to the environment

**Risk phrase(s):**

R20/21: Harmful by inhalation and in contact with skin  
R36: Irritating to eyes  
R40: Limited evidence of a carcinogenic effect  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

**Safety Phrase(s):**

S23: Do not breathe fumes/vapour.  
S24/25: Avoid contact with skin and eyes  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S29: Do not empty into drains  
S35: This material and its container must be disposed of in a safe way  
S36: Wear suitable protective clothing  
S39: Wear eye/face protection  
S51: Use only in well-ventilated areas.  
S61: Avoid release to the environment. Refer to special instructions/Safety Data Sheets.

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S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

## Other hazards

Repeated exposure may cause skin dryness or cracking.

## 3. Composition

### 3.1 Substances

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	Classification
F-300	81	None assigned	None assigned	Acute Tox 4; H332 Acute Tox 4; H312 Aquatic Chronic 2; H411
F-600	3	None assigned	None assigned	STOT SE 3; H335 Skin Irrit. 2; H315 Carc. 2; H351 Eye Dam. 1 H318 Aquatic Chronic 2; H411
F-700	40	None assigned	None assigned	Eye Irrit. 2; H319

EC Classification No. 67/548/EC

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	Classification
F-300	81	None assigned	None assigned	R20/21 R51/53
F-600	3	None assigned	None assigned	R37/38, R40, R41, R51/53
F-700	40	None assigned	None assigned	R36

See section 16 for full description of R phrases and H statements.

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## 4. First Aid Measures

### 4.1 Description of first aid measures

<b>EYE CONTACT:</b>	Remove contact lenses if applicable. Wash eyes immediately with plenty of water for at least 15 minutes. Seek medical attention immediately.
<b>SKIN CONTACT:</b>	Remove contaminated clothing immediately. Rinse affected area with copious amounts of water. Then wash area with soap and water for at least 15 minutes. If symptoms persist, obtain medical attention. Discard or wash thoroughly contaminated clothing.
<b>INGESTION:</b>	Provided the patient is conscious wash mouth out with water and provide patient with 200-300ml of water to drink. Do not induce vomiting. Obtain medical attention immediately.
<b>INHALATION:</b>	Obtain immediate medical attention. Remove patient from exposure, keep warm and at rest.

### 4.2 Most important symptoms and effects, both acute and delayed:

Harmful if inhaled and in contact with skin. Irritating to eyes.

### 4.3 Indication of any immediate medical attention and special treatments needed:

If in contact with eyes, wash eyes immediately and seek immediate medical attention.

## 5. Fire-fighting Measures

### 5.1 Extinguishing Media

Suitable extinguishing media      Foam, CO<sub>2</sub> or dry powder.  
For large fire use water.

Unsuitable extinguishing media      Do not use water jet.

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## 5.2 Special hazards arising from the substance or mixture

May give off toxic fumes in a fire. Products of combustion include carbon monoxide, carbon dioxide, and various hydrocarbons

## 5.3 Advice for fire-fighters

Self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Containers of the product should be cooled with water spray.

Flash point: > 67 - 80°C (Closed cup)

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wear suitable personal protective equipment. Wear appropriate respirator when ventilation is inadequate. (See section 8)

### 6.2 Environmental precautions

Do not allow product to enter drains, sewers or watercourses. The Environment agency or appropriate body must be alerted should a spillage or uncontrolled release into watercourses occur.

### 6.3 Methods and materials for containment and clearing up

Use sand, earth or any suitable non-combustible adsorbent material to adsorb spillages. Using non sparking tools transfer the contaminated absorbent material into a container for disposal. The containers used should be plastic lined sealable drums. Containers should be sealed before being disposed of via an authorised waste disposal contractor.

### 6.4 Other advice

N/A

## 7. Handling and Storage

### 7.1 Precautions for safe handling

Provide adequate ventilation, including local extraction to ensure the occupational exposure limit is not exceeded. Use intrinsically sound equipment.

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Wear suitable personal protective equipment. Avoid contact with skin and eyes. Avoid inhalation of vapours. (See Section 8)

Do not eat, drink or smoke in the vicinity of the product. Wash exposed skin after use. Contaminated clothing should be thoroughly cleaned or disposed of as hazardous waste.

## 7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Keep from direct sunlight. Store only in the original container. Store in a cool, well ventilated place. Maximum handling temperature: 50 °C. Empty containers retain product residue and can be hazardous.

Keep away from oxidising agents.

## 7.3 Specific end uses(s)

-

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

No Occupational Exposure Limit assigned.

### 8.2 Exposure controls

#### 8.2.1 Engineering controls

Provide adequate ventilation, including local extraction.

#### 8.2.2 Personal Protection

<b>Eye protection:</b>	Goggles which provide complete eye protection. (EN166)
<b>Hand/skin protection:</b>	Protective gloves (EN 374)
<b>Respiratory protection:</b>	In the case of insufficient ventilation, wear suitable respiratory equipment. (BS EN 14387:2004+A1)
<b>Other protection:</b>	Long sleeve protective clothing. Plastic apron. Rubber boots.

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## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Amber - Red
Odour:	Hydrocarbon
Flashpoint:	67-80 °C (closed cup)
Relative density (water=1):	0.89 - 1
Solubility :	Insoluble in water, soluble in aromatic solvents
Viscosity :	Kinematic (40 °C): <10 cSt

### 9.2 Other information

None

## 10. Stability and Reactivity

10.1 Reactivity	Will react with strong oxidising agents.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No information available.
10.4 Conditions to avoid	Keep away from sources of ignition, hot surfaces, direct sun light.
10.5 Incompatible materials	Incompatible with oxidising agents.
10.6 Hazardous decomposition products	Gives off toxic fumes in a fire. products include carbon monoxide and carbon dioxide

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute Toxicity

Ingestion:	No information available.
Inhalation:	No information available.
Skin Contact:	No information available.
Eye Contact:	No information available.



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<b>Skin corrosion/irritation</b>	Irritating.
<b>Serious eye damage/irritation:</b>	Irritating.
<b>Respiratory or skin sensitization:</b>	Not a sensitizer.
<b>Mutagenicity:</b>	There is no evidence of mutagenic potential.
<b>Carcinogenicity:</b>	Limited evidence of carcinogenicity.
<b>STOT-repeated exposure:</b>	No information available.
<b>Aspiration hazard:</b>	Risk of aspiration. Aspiration of liquid may cause pulmonary oedema.
<b>Other information:</b>	No information available.

## 12. Ecological Information

<b>12.1 Toxicity</b>	LC <sub>50</sub> : Not available EC <sub>50</sub> : Not available M factor: 1 WGK: Not established.
<b>12.2 Persistence and degradability</b>	No information available.
<b>12.3 Bioaccumulative potential</b>	No information available.
<b>12.4 Mobility in soil</b>	No information available.
<b>12.5 Results of PBT and vPvB Assessment</b>	No information available.
<b>12.6 Other adverse effects</b>	No information available.

## 13. Disposal Considerations

### 13.1 Waste treatment methods

Empty containers retain product residue and can be hazardous. Dispose of this material and its container as hazardous waste. Do not empty into drains. Disposal should be in accordance with local, state or national legislation.

## 14. Transport Information

<b>14.1 UN Number</b>	UN 3082
<b>14.2 UN Proper shipping name</b>	ENVIRONMENTALLY - HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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<b>14.3 Transport hazard class(es)</b>	9
<b>14.4 Packing group</b>	III
<b>14.5 Environmental hazards</b>	Marine Pollutant
<b>14.6 Special precautions for user</b>	-

## 15. Regulatory Information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006., Regulation (EC) No. 1272/2008 (CLP), Directive 67/548/EEC & Directive 1999/45/EC.
<b>15.1 Chemical Safety Assessment</b>	

## 16. Other Information

### R Phrases and H Statements used in Section 3

<b>H statements:</b>	H312: Harmful in contact with skin H332: Harmful if inhaled. H315: Causes skin irritation H318: Causes serious eye damage H319: Causes serious eye irritation H335: May cause respiratory irritation; H351: Suspected of causing cancer. H411: Toxic to aquatic life with long lasting effects.
<b>R phrases:</b>	R20/21: Harmful by inhalation and in contact with skin R36: Irritating to eyes R37/38: Irritating to respiratory system and skin R40: Limited evidence of a carcinogenic effect R41: Risk of serious damage to eyes R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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## **Abbreviations:**

CAS = Chemical Abstracts Service;

EINECS = European Inventory of Existing Commercial Chemical Substances

## **References**

Safety Data Sheets for F300, F600, F700.

Product formulation.

Approved Classification and Labelling Guide (Sixth edition)

The Chemicals (Hazard Information and Packaging for

Supply) Regulations 2009

Regulation (EC) No1272/2008 of the European Parliament and of the council.

## **Disclaimer**

THE INFORMATION PRESENTED HEREIN IS BELIEVED TO BE ACCURATE, BUT IS NOT WARRANTED TO BE, WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM, IN ADVANCE OF NEED, THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.