



# Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

## XO1482TA Exocet Cooker Additive

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

#### 1.1 Product identifier

**Product name:** XO1482TA Exocet Cooker Additive  
**Trade name(s):** Exocet Cooker Additive (XO1482TA)  
**Product description:** Liquid fuel additive  
**CAS No.:** Not applicable.  
**EC No.:** Not applicable.  
**Index No.:** Not applicable.

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

**Identified use(s):** Liquid fuel additive.  
**Uses advised against:** Follow supplier's recommendations on correct use of the product.

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

**Manufacturer/Supplier:** Fuel Additive Science Technologies Limited  
Unit 24, Atcham Business Park,  
Upton Magna, Shrewsbury,  
Shropshire, SY4 4UG  
**Telephone:** +44 1743 761415  
**E-mail:** info@fastexocet.co.uk

#### 1.4 Emergency telephone number

**In case of emergency, call:** +44 (0)333 333 9962 (UK number, 24 hours, 7 days)



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## SECTION 2: Hazard Identification

### 2.1 Classification of the substance or mixture

#### 2.1.1. Classification according to Regulation (EC) No. 1272/2008 (CLP)

Asp. Tox. 1; H304  
Skin Irrit. 2; H315  
Eye Dam. 1; H318  
Carc. 2; H351  
Aquatic Acute 1; H400  
Aquatic Chronic 1; H410

#### 2.1.2. Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

### 2.2 Label elements

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

Hazard pictogram(s):



Signal Word:

Danger.

Hazard Statement(s):

H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H351: Suspected of causing cancer.  
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P301 + P310: IF SWALLOWED: Immediately call a physician.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously



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with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a physician.

P331: Do NOT induce vomiting.

P405: Store locked up.

P501: Dispose of contents/container to: disposal should be in accordance with local, state or national legislation.

## Supplemental Hazard information (EU):

None.

### 2.3 Other hazards

None known.

## SECTION 3: Composition

### 3.2 Mixtures

#### Classification according to Regulation (EC) No. 1272/2008 (CLP)

Chemical name	% w/w	CAS No.	EC No.	Index No.	Classification
Solvent naphtha (petroleum), heavy arom.	30-40	64742-94-5	265-198-5	649-424-00-3	Asp. Tox. 1; H304 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411
2,6-Di-tert-butylphenol	30-40	128-39-2	204-884-0	-	Eye Dam 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Trimethylbenzene	10-20	25551-13-7	247-099-9	-	Flam Liq. 3; H226 Acute Tox 4; H302 Acute Tox 4; H312 Skin Irrit. 2; H315
Naphthalene	5-10	91-20-3	202-049-5	601-052-00-2	Acute Tox 4; H302 Carc 2; H351 Aquatic Acute 1; H400 Aquatic Chronic 1; H410



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## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

<b>INHALATION:</b>	Remove patient from exposure, keep warm and at rest. If symptoms persist, obtain medical attention.
<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>EYE CONTACT:</b>	Obtain immediate medical attention. Remove contact lenses if present and easy to do. Wash eyes immediately with plenty of water for at least 30 minutes.
<b>INGESTION:</b>	Obtain immediate medical attention.. Do not induce vomiting.

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

Skin contact causes redness and pain. Eye contact causes burns, watering, redness and pain. Inhalation of high concentrations of vapour may cause irritation to the respiratory tract. Ingestion may cause irritation to mouth, throat and digestive tract.

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

If swallowed, aspiration into lungs may result in chemical pneumonia. If swallowed, patient should be monitored for signs of breathing difficulty as effects of aspiration may be delayed for up to 48 hours. Treat symptomatically.

## SECTION 5: Fire-fighting Measures

### 5.1 Extinguishing Media

<b>Suitable extinguishing media:</b>	Foam, CO <sub>2</sub> or dry powder. For large fires, use water.
<b>Unsuitable extinguishing media:</b>	Do not use water jet.

### 5.2 Special hazards arising from the substance or mixture



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Combustible liquid and vapour. Vapour may form explosive mixture with air.

Combustion may liberate toxic fumes: Carbon monoxide, carbon dioxide, various hydrocarbons.

## 5.3 Advice for fire-fighters

A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep fire exposed containers cool by spraying with water. Do not allow to enter drains, sewers or watercourses.

Flash point: 65°C (closed cup).

## SECTION 6: Accidental Release Measures

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

#### 6.1.1 For non-emergency personnel

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

#### 6.1.2 For emergency responders

Keep unnecessary personnel away. Wear suitable protective clothing (See Section 8). Contaminated clothing should be thoroughly cleaned.

### 6.2 Environmental precautions

Collect spillage. Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

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

#### 6.3.1 For containment

Stop the leak if it is safe to do so. Contain the spillage with sand, earth or any suitable adsorbent material.

#### 6.3.2 For cleaning up

Use sand, earth or any suitable non-combustible adsorbent material to adsorb spillages. Using non-sparking tools transfer the contaminated adsorbent 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.

#### 6.3.3 Other advice



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None.

## 6.4 Reference to other sections

See Section 8 for personal protective equipment. See Section 13 for waste disposal.

## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide adequate ventilation, including local extraction to ensure occupational exposure limits are not exceeded. Avoid breathing fumes/vapour. Avoid contact with skin and eyes. Wear suitable personal protective equipment (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 locked up. 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)

Liquid fuel additive.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1 Control parameters

#### Exposure limit values

Source: EH40/2005, 2<sup>nd</sup> Ed., 2011.

Substance	CAS No.	LTEL (8 hr TWA)		STEL (15 min)		Comments
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Trimethylbenzenes, all isomers or mixtures	25551-13-7	25	125	-	-	-



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## Derived No-Effect Level (DNEL)

Substance	Dermal	Inhalation	Oral
1,2,4-trimethylbenzene	16171 mg/kg - Exposure: Dermal - Duration: long term systemic - Remarks: Workers  9512 mg/kg - Exposure: Dermal - Duration: Long term systemic - Remarks: General population	100 mg/m <sup>3</sup> - Exposure: Inhalation - Duration: short term systemic - Remarks: Workers  29.4 mg/m <sup>3</sup> - Exposure: Inhalation - Duration: short term systemic - Remarks: General population  29.4 mg/m <sup>3</sup> - Exposure: Inhalation - Duration: long term systemic - Remarks: General population  29.4 mg/m <sup>3</sup> - Exposure: Inhalation - Duration: long term local - Remarks: General population	15 mg/kg - Exposure: Oral - Duration: long term systemic - Remarks: General population

## Predicted No-Effect Concentration (PNEC)

Substance	Exposure	Duration	Remark
1,2,4-trimethylbenzene	0.12 mg/l Exposure: Water	Single	Fresh water
	0.12 mg/l - Exposure: Water	Single	Marine water
	0.12 mg/l - Exposure: Water	Continuous	Intermittent release

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Provide adequate ventilation, including local extraction to ensure occupational exposure limits are not exceeded.

### 8.2.2 Personal protection

**Eye protection:** Goggles or safety glasses with side shields giving liquid splash protection to eyes (Standard EN166)

**Skin protection:**

**Hand protection:** Chemical resistant gloves. (EN 374).

**Other:** Long sleeve protective clothing. Plastic apron. Rubber



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boots.

**Respiratory protection:** In the case of insufficient ventilation, wear suitable respiratory equipment. (BS EN 14387:2004+A1)

**Thermal hazards:** Wear suitable temperature resistant gloves and protective clothing if the product is heated.

## 8.2.3 Environmental exposure controls

Inform environmental manager of all incidents involving this product.

## SECTION 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Brown liquid.
<b>Odour:</b>	Hydrocarbon.
<b>Odour threshold:</b>	Not available.
<b>pH:</b>	Not available.
<b>Melting/freezing point::</b>	Not available.
<b>Initial boiling point and boiling range:</b>	Not available.
<b>Flash point:</b>	65°C (Closed cup)
<b>Evaporation rate:</b>	Not available.
<b>Flammability (solid; gas):</b>	Not applicable.
<b>Upper/lower flammability or explosive limits:</b>	Not available.
<b>Vapour pressure:</b>	Not available.
<b>Vapour density:</b>	Not available.
<b>Relative density:</b>	0.89 – 0.95 (Water = 1)
<b>Solubility(ies):</b>	Immiscible in water. Miscible in aromatic solvents.
<b>Partition coefficient: n-octanol/water:</b>	Not available.
<b>Auto-ignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Explosive properties:</b>	Not explosive. Vapour may form explosive mixture with





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**Oxidising properties:** air.  
Not oxidising.

**9.2 Other information**  
None.

## SECTION 10: Stability and Reactivity

<b>10.1 Reactivity</b>	Reacts with oxidising agents.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No hazardous reactions expected during normal use.
<b>10.4 Conditions to avoid</b>	Keep away from sources of ignition, hot surfaces and direct sunlight. Contact with incompatible materials.
<b>10.5 Incompatible materials</b>	Oxidising agents.
<b>10.6 Hazardous decomposition products</b>	Combustion may liberate toxic fumes: Carbon monoxide, carbon dioxide, various hydrocarbons.

## SECTION 11: Toxicological Information

### 11.1 Information on toxicological effects

<b>Acute toxicity</b>	May cause discomfort if swallowed.  No data available on the mixture.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b>Skin sensitisation</b>	No evidence of skin sensitisation
<b>Respiratory sensitisation</b>	No evidence of respiratory sensitisation.
<b>Germ cell mutagenicity</b>	No evidence of mutagenicity.
<b>Carcinogenicity</b>	Suspected of causing cancer.
<b>Reproductive toxicity</b>	No evidence of reproductive toxicity.



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<b>Specific Target Organ Toxicity – single exposure</b>	Inhalation of high concentrations of vapour may cause irritation to the respiratory tract.
<b>Specific Target Organ Toxicity – repeated exposure</b>	Based on the available data, the classification criteria are not met.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways. Risk of aspiration into lungs resulting in chemical pneumonia.

## Information on likely routes of exposure

<b>Inhalation</b>	Inhalation of high concentrations of vapour may cause irritation to the respiratory tract.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Ingestion may cause irritation to mouth, throat and digestive tract. May be fatal if swallowed and enters airways. Risk of aspiration into lungs resulting in chemical pneumonia.

<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Skin contact causes redness and pain. Eye contact causes burns, watering, redness and pain. Inhalation of high concentrations of vapour may cause irritation to the respiratory tract. Ingestion may cause irritation to mouth, throat and digestive tract. If swallowed, aspiration into lungs may result in chemical pneumonia.
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<b>Other information</b>	None.
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## SECTION 12: Ecological Information

<b>12.1 Toxicity</b>	Very toxic to aquatic life with long lasting effects.  No data available on the mixture.
<b>12.2 Persistence and degradability</b>	No data available.
<b>12.3 Bioaccumulative potential</b>	No data available.
<b>12.4 Mobility in soil</b>	No data available.
<b>12.5 Results of PBT and vPvB assessment</b>	The product does not contain substances assessed to be PBT or vPvB.



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12.6 Other adverse effects None known.

## SECTION 13: Disposal Considerations

### 13.1 Waste treatment methods

To be disposed of as hazardous waste. Disposal should be in accordance with local, state or national legislation.

Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor. Do not empty into drains; dispose of this material and its container in a safe way.

Empty containers may contain residue and may be dangerous. Do not attempt to refill or clean containers without proper instructions. Do not pressurise, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition.

## SECTION 14: Transport Information

### ROAD (ADR)

14.1	UN Number	3082
14.2	UN Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 2,6-di-tert-butylphenol)
14.3	Transport hazard class(es)	9
14.4	Packing group	III
14.5	Environmental hazards	Yes
14.6	Special precautions for the user	Read SDS and supplier instructions on correct use of the product.

### INLAND WATERWAYS (AND)

14.1	UN Number	3082
14.2	UN Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 2,6-di-tert-butylphenol)
14.3	Transport hazard class(es)	9
14.4	Packing group	III
14.5	Environmental hazards	Yes
14.6	Special precautions for the user	Read SDS and supplier instructions on correct use of the product.

### RAIL (RID)

14.1	UN Number	3082
14.2	UN Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 2,6-di-tert-butylphenol)



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14.3	Transport hazard class(es)	9
14.4	Packing group	III
14.5	Environmental hazards	Yes
14.6	Special precautions for the user	Read SDS and supplier instructions on correct use of the product.

## AIR (IATA/ICAO)

14.1	UN Number	3082
14.2	UN Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (contains 2,6-di-tert-butylphenol)
14.3	Transport hazard class(es)	9
14.4	Packing group	III
14.5	Environmental hazards	Yes
14.6	Special precautions for the user	Read SDS and supplier instructions on correct use of the product.

## SEA (IMDG)

14.1	UN Number	3082
14.2	UN Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 2,6-di-tert-butylphenol)
14.3	Transport hazard class(es)	9
14.4	Packing group	III
14.5	Environmental hazards	Marine Pollutant
14.6	Special precautions for the user	Read SDS and supplier instructions on correct use of the product.
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	The product is not intended to be transported in bulk.

## SECTION 15: Regulatory Information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006 as amended. The product has been classified in accordance with Regulation (EC) No. 1272/2008 (CLP).
15.2	Chemical Safety Assessment	Not applicable.

## SECTION 16: Other Information

Full text of relevant H-statements:

Hazard Statement(s): H226: Flammable liquid and vapour.



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H302: Harmful if swallowed.  
H304: May be fatal if swallowed and enters airways.  
H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H351: Suspected of causing cancer.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effect.  
H411: Toxic to aquatic life with long lasting effects.

**Supplemental Hazard information (EU):** None.

## Abbreviations:

CAS: Chemical Abstracts Service;  
EINECS: European Inventory of Existing Commercial Chemical Substances  
PBT: Persistent, Bioaccumulative and Toxic.  
vPvB: Very Persistent and Very Bioaccumulative.

## References:

Supplier's Safety Data Sheets for ingredients  
Product formulation  
Annex VI of CLP  
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009  
Regulation (EC) No. 1272/2008 of the European Parliament and of the council.  
EH40/2005, 2<sup>nd</sup> Ed., 2011.

## 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.

## Version history:

<b>Version:</b>	3.0
<b>Issue date:</b>	02/11/2015
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<b>Issue date of previous version:</b>	28/09/2012
<b>Sections changed from previous version:</b>	1-16