



# Safety Data Sheet

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

## XO1249GO Exocet Gas Oil Supreme

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

#### 1.1 Product identifier

**Product name:** XO1249GO Exocet Gas Oil Supreme  
**Trade name(s):** Exocet Gas Oil Supreme (XO1249GO)  
**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 for diesel or gas oil.  
**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 29, Atcham Business Park,  
Upton Magna, Shrewsbury,  
Shropshire, SY4 4UG  
**Telephone:** +44 (0)1743 761 415  
**E-mail:** [info@fastexocet.co.uk](mailto:info@fastexocet.co.uk)

#### 1.4 Emergency telephone number

**In case of emergency, call:** 0333 333 9962 (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)

Acute Tox. 4; H302  
Acute Tox. 4; H312  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
Acute Tox. 4; H332  
Aquatic Chronic 2; H411  
EUH044  
EUH066

#### 2.1.2. Classification according to Directive 67/548/EEC & Directive 1999/45/EC

Harmful; Xn; R20/21/22  
R44  
R66  
Dangerous for the environment; N; R51/53

### 2.2 Label elements

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

Hazard pictogram(s):



Signal Word:

Warning.

Hazard Statement(s):

H302: Harmful if swallowed.  
H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H411: Toxic to aquatic life with long lasting effects.



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**Precautionary Statement(s):**

P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313: If eye irritation persists: Get medical advice/attention.  
P501: Dispose of contents/container to: disposal should be in accordance with local, state or national legislation.

**Supplemental Hazard information (EU):**

EUH044: Risk of explosion if heated under confinement.  
EUH066: Repeated exposure may cause skin dryness or cracking.

## 2.2.2. Label according to Directive 67/548/EEC or Directive 1999/45/EC

**Hazard symbol(s):**



**Indication(s) of danger:**

Harmful; Dangerous for the Environment.

**Risk phrase(s):**

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
R44: Risk of explosion if heated under confinement.  
R66: Repeated exposure may cause skin dryness or cracking.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrase(s):**

S1/2: Keep locked up and out of the reach of children.  
S23: Do not breathe fumes/vapour.  
S24/25: Avoid contact with skin and eyes.  
S26: In case of contact with eyes, rinse immediately





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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.  
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.  
S38: In case of insufficient ventilation wear suitable respiratory equipment.  
S51: Use only in well-ventilated areas.  
S61: Avoid release to the environment. Refer to special instructions/Safety Data Sheets.

## 2.3 Other hazards

None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

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

Chemical name	% w/w	CAS No.	EC No.	Index No.	Classification
2-Ethylhexyl nitrate	40-80	27247-96-7	248-363-6	-	Acute Tox. 4; H302 Acute Tox. 4; H312 Acute Tox. 4; H332 Aquatic Chronic 2; H411 EUH044 EUH066
Distillates (petroleum), hydrotreated light	3-10	64742-47-8	265-149-8	649-422-00-2	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411
2-Ethylhexan-1-ol	2-5	104-76-7	203-234-3	-	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute Tox. 4; H332 STOT SE 3; H335
Butanedioic acid, polyisobutenyl	2-5	68610-89-9	-	-	Eye Irrit. 2; H319
Solvent naphtha (petroleum), heavy arom.	0-2	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



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Chemical name	% w/w	CAS No.	EC No.	Index No.	Classification
Naphthalene	0-0.1	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

## Classification according to Directive 67/548/EEC

Chemical name	% w/w	CAS No.	EC No.	Index No.	Classification
2-Ethylhexyl nitrate	40-80	27247-96-7	248-363-6	-	Xn; R20/21/22 R44 R66 N; R51/53
Distillates (petroleum), hydrotreated light	3-10	64742-47-8	265-149-8	649-422-00-2	R10 Xi; R38 Xn; R65 R67 N; R51/53
2-Ethylhexan-1-ol	2-5	104-76-7	203-234-3	-	Xn; R20 Xi; R36/37/38
Butanedioic acid, polyisobuteryl	2-5	68610-89-9	-	-	Xi; R36
Solvent naphtha (petroleum), heavy arom.	0-2	64742-94-5	265-198-5	649-424-00-3	Xi; R36/38 Xn; R65 N; R51/53
Naphthalene	0-0.1	91-20-3	202-049-5	601-052-00-2	Xn; R22 Carc. Cat. 3; R40 N; R50/53

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

## SECTION 4: First Aid Measures

### 4.1 Description of first aid measures

#### INHALATION:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.

#### SKIN CONTACT:

Remove contaminated clothing immediately. Wash with plenty of soap and water. If skin irritation persists, obtain medical attention. Discard or wash thoroughly contaminated clothing.



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**EYE CONTACT:** Remove contact lenses if present and easy to do. Wash eyes immediately with plenty of water for at least 10 minutes. If eye irritation persists, obtain medical attention.

**INGESTION:** Obtain medical attention immediately. Do not induce vomiting. Provided the patient is conscious, wash mouth out with water and provide patient with 200-300 ml of water to drink. Never give anything to drink to an unconscious patient.

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

Skin contact causes redness and pain. Repeated exposure may cause skin dryness or cracking. Eye contact causes watering, redness and pain. Inhalation of high concentrations of vapour may cause drowsiness or dizziness. Ingestion may cause discomfort.

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

In case of accident or if you feel unwell, seek medical advice immediately. Provide medical personnel with this safety data sheet, or the product container/label.

If breathing is laboured, oxygen should be administered by qualified personnel.

## SECTION 5: Fire-fighting Measures

### 5.1 Extinguishing Media

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

**Unsuitable extinguishing media:** Do not use water jet.

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

Combustible liquid and vapour. Vapour may form explosive mixture with air. Vapour is heavier than air and may accumulate in confined spaces.

Containers exposed to fire may burst due to pressure build up.

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





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## 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.

## 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. Avoid release to the environment. 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 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.

#### 6.3.3 Other advice

None.

### 6.4 Reference to other sections

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



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## SECTION 7: Handling and Storage

### 7.1 Precautions for safe handling

Use only outdoors or in a well-ventilated area. Provide adequate ventilation, including local extraction to ensure that occupational exposure limits are not exceeded. Use intrinsically sound equipment. Avoid breathing fumes/vapour. Avoid contact with skin and eyes. Wear suitable personal protective equipment (See Section 8).

Do not eat, drink or smoke when using this product. Wash thoroughly 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. 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

No national exposure limits assigned.

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

#### Community exposure limits

Sources: ILV: 91/322/EEC; IOELV: 2000/39/EC, 2006/15/EC, 2009/161/EU

Substance	Exposure Limit Type	CAS No.	LTEL (8 hr TWA)		STEL (15 min)		Comments
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Naphthalene	ILV	91-20-3	10	30	-	-	-

IOELV: Indicative Occupational Exposure Limit Value

ILV: Indicative Limit Value

Skin: Can be absorbed through the skin.





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## DNELs (Workers)

Substance	Route	Acute/short-term exposure		Long-term exposure	
		Systemic effects	Local effects	Systemic effects	Local effects
2-Ethylhexyl nitrate	Inhalation	-	-	0.35 mg/m <sup>3</sup>	-
	Dermal	-	-	1 mg/kg bw/day	44 µg/cm <sup>2</sup>
2-Ethylhexan-1-ol	Inhalation	-	106.4 mg/m <sup>3</sup>	53.2 mg/m <sup>3</sup>	-
	Dermal	-	-	23 mg/kg bw/day	-
Naphthalene	Inhalation	-	-	25 mg/m <sup>3</sup>	25 mg/m <sup>3</sup>
	Dermal	-	-	3.57 mg/kg bw/day	-

## PNECs

Substance	Aqua (fresh water)	Aqua (marine water)	Aqua (intermittent releases)	Sewage Treatment Plants	Sediment (fresh water)	Sediment (marine water)	Soil	Oral
2-Ethylhexyl nitrate	0.8 µg/L	0.08 µg/L	-	10 mg/L	0.74 µg/kg sediment dw	0.74 µg/kg sediment dw	0.191 µg/kg soil dw	-
2-Ethylhexan-1-ol	0.017 mg/L	0.0017 mg/L	0.17 mg/L	10 mg/L	0.28 mg/kg sediment dw	0.028 mg/kg sediment dw	0.047 mg/kg soil dw	55 mg/kg food
Naphthalene	2.4 µg/L	2.4 µg/L	20 µg/L	2.9 mg/L	67.2 µg/kg sediment dw	67.2 µg/kg sediment dw	53.3 µg/kg soil dw	-

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

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

### 8.2.2 Personal protection

**Eye protection:** Goggles or safety glasses with side shields giving complete protection to eyes. (EN 166)

**Skin protection:**

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

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

**Respiratory protection:** In the case of insufficient ventilation, wear respiratory equipment suitable for organic gases and vapours with a boiling point above 65°C. (EN 14387)



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**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>	Dark brown liquid.
<b>Odour:</b>	Strong. Aromatic. 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>	67-80°C (closed cup) (estimated)
<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 – 1 (Water = 1)(estimated)
<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 air.
<b>Oxidising properties:</b>	Not oxidising.

### 9.2 Other information

None.



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## 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, 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 and nitrogen oxides.

## SECTION 11: Toxicological Information

### 11.1 Information on toxicological effects

#### Acute toxicity

May cause discomfort if swallowed.

No data available on the mixture. The following data are for the ingredients:

2-Ethylhexyl nitrate:

LD<sub>50</sub> (oral/rat): 10 mL/kg; 9.6 g/kg

LDLo (dermal/rabbit): > 5 mL/kg bw

LC<sub>50</sub> (inhalation/rat): 4.6 mg/L, 72 h

Naphtha (petroleum), heavy coker (CAS 68333-23-3) - similar to Distillates (petroleum), hydrotreated light:

LD<sub>50</sub> (oral/rat): > 5,000 mg/kg

LD<sub>50</sub> (dermal/rabbit): > 2000 mg/kg

Kerosine (petroleum) (CAS 8008-20-6) - similar to Distillates (petroleum), hydrotreated light:

LC<sub>50</sub> (inhalation/rat): > 5.28 mg/L (4 h) air (analytical)

Naphthalene:

LD<sub>50</sub> (oral/rat): 533 mg/kg





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<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/irritation</b>	Causes serious eye irritation.
<b>Skin sensitisation</b>	Not classified. The product does not contain substances classified as skin sensitisers above the classification thresholds.
<b>Respiratory sensitisation</b>	Not classified. The product does not contain substances classified as respiratory sensitisers above the classification thresholds.
<b>Germ cell mutagenicity</b>	Not classified. The product does not contain substances classified as mutagenic above the classification thresholds.
<b>Carcinogenicity</b>	Not classified. The product does not contain substances classified as carcinogenic above the classification thresholds.
<b>Reproductive toxicity</b>	Not classified. The product does not contain substances classified as reproductive toxins above the classification thresholds.
<b>Specific Target Organ Toxicity – single exposure</b>	Not classified. Inhalation of high concentrations of vapour may cause drowsiness or dizziness.
<b>Specific Target Organ Toxicity – repeated exposure</b>	Not classified. The product does not contain substances classified as causing specific target organ toxicity through repeated exposure above the classification thresholds.
<b>Aspiration hazard</b>	Not classified. Based on the available data, the classification criteria are not met.

## Information on likely routes of exposure

<b>Inhalation</b>	Inhalation of high concentrations of vapour may cause drowsiness or dizziness.
<b>Skin contact</b>	Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Skin contact causes redness and pain. Repeated exposure may cause skin dryness or cracking. Eye



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contact causes watering, redness and pain. Inhalation of high concentrations of vapour may cause drowsiness or dizziness. Ingestion may cause discomfort.

**Mixture versus substance information** No data available.

**Other information** None.

## SECTION 12: Ecological Information

**12.1 Toxicity** Toxic to aquatic life with long lasting effects.

No data available on the mixture. The following data are for the ingredients:

2-Ethylhexyl nitrate:

LC<sub>50</sub> (Danio rerio): 2.00 mg/L (96 h)

NOEC (Danio rerio): 1.52 mg/L (96 h)

EC<sub>50</sub> (Daphnia Magna): > 12.6 mg/L (48 h)

Naphthalene:

LC<sub>50</sub> (Pimephales promelas): 6.08 mg/L, 96 h

LC<sub>50</sub> (Fathead minnow): 7.9 mg/L 96 h

LC<sub>50</sub> (Rainbow trout): 1.6 mg/L 96 h

LC<sub>50</sub> (Oncorhynchus kisutch): 2.1 mg/L 96 h

EC<sub>50</sub> (Daphnia Magna): 2.16 mg/L 48 h

NOEC (Oncorhynchus kisutch): 0.37 mg/L 40 days

NOEC (Daphnia Pulex): 0.59 mg/L 125 days

**12.2 Persistence and degradability** No data available.

**12.3 Bioaccumulative potential** No data available.

**12.4 Mobility in soil** No data available.

**12.5 Results of PBT and vPvB assessment** The product does not contain substances assessed to be PBT or vPvB.

**12.6 Other adverse effects** None known.



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## 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.

## SECTION 14: Transport Information

### ADR

14.1 UN Number	3082
14.2 UN Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 2-ethylhexyl nitrate)
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.

### ADN

14.1 UN Number	3082
14.2 UN Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 2-ethylhexyl nitrate)
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.

### RID

14.1 UN Number	3082
14.2 UN Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 2-ethylhexyl nitrate)
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





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the product.

## IATA/ICAO

14.1 UN Number	3082
14.2 UN Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (contains 2-ethylhexyl nitrate)
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.

## IMDG

14.1 UN Number	3082
14.2 UN Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains 2-ethylhexyl nitrate)
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), Directive 67/548/EEC & Directive 1999/45/EC.
15.2 Chemical Safety Assessment	Not applicable.

## SECTION 16: Other Information

Full text of relevant R-phrases and/or H-statements:

Hazard Statement(s):	H226: Flammable liquid and vapour. H302: Harmful if swallowed.
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H304: May be fatal if swallowed and enters airways.  
H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H400: Very toxic to aquatic life.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H351: Suspected of causing cancer.  
H410: Very toxic to aquatic life with long lasting effects.  
H411: Toxic to aquatic life with long lasting effects.

**Supplemental Hazard information (EU):** EUH044: Risk of explosion if heated under confinement.  
EUH066: Repeated exposure may cause skin dryness or cracking.

**Risk phrase(s):** R10: Flammable.  
R20: Harmful by inhalation.  
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
R22: Harmful if swallowed.  
R36: Irritating to eyes.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R36/38: Irritating to eyes and skin.  
R38: Irritating to skin.  
R44: Risk of explosion if heated under confinement.  
R40: Limited evidence of a carcinogenic effect.  
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: may cause lung damage if swallowed.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

## Abbreviations:

bw: Body weight  
CAS: Chemical Abstracts Service;  
dw: Dry weight



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EINECS:	European Inventory of Existing Commercial Chemical Substances
EC <sub>50</sub> :	Effective Concentration 50%
EL <sub>50</sub> :	Effective Loading rate 50%
LC <sub>50</sub> :	Lethal Concentration 50%
LD <sub>50</sub> :	Lethal Dose 50%
LL <sub>50</sub> :	Lethal Loading rate 50%
NOEL:	No Observed Effect Level
NOELR:	No Observed Effect Level Reproduction
PBT:	Persistent, Bioaccumulative and Toxic.
RD <sub>50</sub> :	Dose at which respiratory rate decreased to 50%.
vPvB:	Very Persistent and Very Bioaccumulative.
WAF:	Water Accommodated Fraction.

## References:

Supplier's Safety Data Sheets for ingredients  
Product formulation  
Approved Classification and Labelling Guide (Sixth edition)  
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, 2nd 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>	1.0
<b>Issue date:</b>	03/06/2013
<b>Previous Version:</b>	-
<b>Issue date of previous version:</b>	-
<b>Sections changed from previous version:</b>	-