

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

### 1.1: Product identifier

Product name: Q4 AEROSOL

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

Use of substance / mixture: Automotive products.

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

Company name: Q Oil Europe Ltd,  
Unit 2, Crown Point Ind Est Sth,  
King Street,  
Denton,  
Manchester, M34 6HE  
United Kingdom

Tel: +44 (0) 161 484 6505

Email: office@qoileurope.com

### 1.4: Emergency telephone number

Emergency tel: +44 (0) 161 484 6505 (Office Hours Only)

## Section 2: Hazards identification

### 2.1: Classification of the substance or mixture

Classification under CHIP: R10; Xi: R38; N: R51/53; -: R67

Classification under CLP: Flam. Aerosol 1: H222; STOT SE 3: H336; Skin Irrit. 2: H315; Aquatic Chronic 2: H411; -: H229

Most important adverse effects: Flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

### 2.2: Label elements

#### Label elements under CLP:

Hazard statements: H222: Extremely flammable aerosol.  
H336: May cause drowsiness or dizziness.  
H315: Causes skin irritation.  
H411: Toxic to aquatic life with long lasting effects.  
H229: Pressurised container: May burst if heated

Signal words: Danger

Hazard pictograms: GHS02: Flame  
GHS07: Exclamation mark  
GHS09: Environmental

**Section 2: Hazards identification continued**


**Precautionary statements:** P102: Keep out of reach of children.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211: Do not spray on an open flame or other ignition source.  
P273: Avoid release to the environment.  
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

**Label elements under CLP:**

**Hazard symbols:** Highly flammable.  
Irritant.  
Dangerous for the environment.



**Risk phrases:** R10: Flammable.  
R38: Irritating to skin.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:** S38: In case of insufficient ventilation, wear suitable respiratory equipment.  
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

**Precautionary phrases:** Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.  
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

**2.3. Other hazards**

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.  
**PBT:** This product is not identified as a PBT/vPvB substance.

**Section 3: Composition/information on ingredients**
**3.2. Mixtures**
**Hazardous ingredients:**

EINECS	CAS	CHIP Classification	CLP Classification	Percent
LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDROTREATED LIGHT				
265-151-9	64742-49-0	Xn: R65; F+: R12; Xi: R38; N: R51/53	Asp. Tox. 1: H304; Flam. Liq. 1: H224; Skin Irrit. 2: H315; Aquatic Chronic 2: H411	30-50%
BUTANE				
203-448-7	106-97-8	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%
PROPANE				
200-827-9	74-98-6	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%
PROPAN-2-OL				
200-661-7	67-63-0	F: R11; Xi: R36; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	1-10%

**Section 4: First aid measures**
**4.1. Description of first aid measures**

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

**4.2. Most important symptoms and effects, both acute and delayed**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers..

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

**Exposure hazards:** Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

**Section 8: Exposure controls/personal protection**
**8.1. Control parameters**
**Hazardous ingredients:**
**Workplace exposure limits:**
**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA 15 min.	STEL
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**BUTANE**

UK	1450 mg/m <sup>3</sup>	1810 mg/m <sup>3</sup>	-	-
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**PROPANE**

UK	1800 mg/m <sup>3</sup>	7200 mg/m <sup>3</sup>	-	-
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**PROPAN-2-OL**

UK	999 mg/m <sup>3</sup>	1250 mg/m <sup>3</sup>	-	-
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**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

**Section 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

**State:** Aerosol

**Colour:** Clear.

**Odour:** Characteristic odour

**Evaporation rate:** Fast

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Insoluble

**Viscosity:** No data available.

**Boiling point/range°C:** >35

**Flammability limits %: lower:** No data available.

**Melting point/range°C:** No data available.

**Flash point°C:** <-10

**upper:** No data available.

**Autoflammability°C:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Relative density:** No data available.

**Vapour pressure:** No data available.

**VOC g/l:** No data available.

**pH:** No data available.

**9.2. Other information**

**Other information:** Not applicable.

**Section 10: Stability and reactivity**
**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions. Stable at room temperature.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes.

**Section 11: Toxicological information**
**11.1. Information on toxicological effects**

**Hazardous ingredients:**

**PROPAN-2-OL**

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

**Relevant effects for mixture:**

Effect	Route	Basis
Irritation	DRM	Hazardous: calculated

**10.4. Conditions to avoid**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Section 12: Ecological information continued****12.1. Toxicity**

Ecotoxicity values: Not applicable.

**12.2. Persistence and degradability**

Persistence and degradability: No data available.

**12.3. Bioaccumulative potential**

Bioaccumulative potential: No data available.

**12.4. Mobility in soil**

Mobility: No data available.

**12.5. Results of PBT and vPvB assessment**

PBT identification: This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

Other adverse effects: No data available.

**Section 13: Disposal considerations****13.1. Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information****14.1. UN number**

UN number: UN1950

**14.2. UN proper shipping name**

AEROSOLS

**14.3. Transport hazard class(es)**

Transport class: 2

**14.4. Packing group**

Packing Group: II

**14.5. Environmental hazards**

Environmentally hazardous: Yes      Marine pollutant: No

**14.6. Special precautions for user**

Special precautions: No special precautions.

Tunnel code: D

Transport category: 2

**Section 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Specific regulations:** Not applicable.

**Section 16: Other information****Other information**

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

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and 3:** H220: Extremely flammable gas.  
H222: Extremely flammable aerosol.  
H224: Extremely flammable liquid and vapour.  
H225: Highly flammable liquid and vapour.  
H229: Pressurised container: May burst if heated  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.  
H411: Toxic to aquatic life with long lasting effects.  
R10: Flammable.  
R11: Highly flammable.  
R12: Extremely flammable.  
R36: Irritating to eyes.  
R38: Irritating to skin.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: may cause lung damage if swallowed.  
R67: Vapours may cause drowsiness and dizziness.

**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.