

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1: Product identifier**

Product name: Q4 BRAKE CLEANER (UK)

Product code: Mixture

**1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of substance / mixture: Formulation & (re)packing of substances and mixtures.  
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: F: R11; Xi: R38; N: R51/53; -: R67

Classification under CLP: Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Flam. Liq. 2: H225; Skin Irrit. 2: H315

Most important adverse effects: Highly 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: H225: Highly flammable liquid and vapour.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H411: Toxic to aquatic life with long lasting effects.

Signal words: Danger

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

**Section 2: Hazards identification continued**


**Precautionary statements:** P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P243: Take precautionary measures against static discharge.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Label elements under CLP:**

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



**Risk phrases:** R11: Highly 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:** S9: Keep container in a well-ventilated place.  
S16: Keep away from sources of ignition - No smoking.  
S33: Take precautionary measures against static discharges.  
S57: Use appropriate container to avoid environmental contamination.  
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

**2.3. Other hazards**

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

**PBT:** This substance is not identified as a PBT 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;<br>Skin Irrit. 2: H315; Aquatic Chronic 2:H411 | 70-90%  |
| PROPAN-2-OL  |            |                                     |   |         |
| 200-661-7  | 67-63-0    | F: R11; Xi: R36; -: R67             | Flam. Liq. 2: H225; Eye Irrit. 2: H319;<br>STOT SE 3: H336                            | 10-30%  |

**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:** Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues
- Ingestion:** Wash out mouth with water. If patient is conscious, give water to drink. If patient feels unwell, seek medical advice. **DO NOT INDUCE VOMITING.**
- Inhalation:** Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete, seek medical advice.

**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:** Suitable extinguishing media for the surrounding fire should be used.  
Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes.

### 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.

### 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.

### 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.

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

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

**Suitable packaging:** Original container stored in a dry and cool place.

### 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 |
|-------|------------|--------------|--------------------|------|
|-------|------------|--------------|--------------------|------|

PROPAN-2-OL

|    |                       |                        |   |   |
|----|-----------------------|------------------------|---|---|
| UK | 999 mg/m <sup>3</sup> | 1250 mg/m <sup>3</sup> | - | - |
|----|-----------------------|------------------------|---|---|

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

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

**Hand protection:** Impermeable gloves, change regularly to avoid permeation problems. Ensure gloves are manufactured/tested in accordance with BS EN 374.

**Eye protection:** Safety goggles. 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:** Liquid

**Colour:** Colourless

**Odour:** Perceptible odour

**Evaporation rate:** Fast

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

**Solubility in water:** Slightly soluble

**Solubility in water:** Most organic solvents.

**Boiling point/range°C:** 81-120

**Upper:** 12.7

**Flammability limits %: lower:** 0.9

**Autoflammability°C:** >230

**Flash point°C:** <21

**Relative density:** 0.765

**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.

**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:** High temperatures and direct sunlight. Sources of ignition.

**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**

**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**
**12.1. Toxicity**

**Ecotoxicity values:** Not applicable.

**12.2. Persistence and degradability**

**Persistence and degradability:** Not biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** Bioaccumulation potential.

**Section 12: Ecological information continued****12.4. Mobility in soil**

**Mobility:** Readily absorbed into soil.

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

**PBT identification:** This substance is not identified as a PBT substance.

**12.6. Other adverse effects**

**Other adverse effects:** Toxic to aquatic organisms. Toxic to soil organisms.

**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:** UN1993

**14.2. UN proper shipping name**

FLAMMABLE LIQUID, N.O.S.  
(LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM),  
HYDROTREATED LIGHT)

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

**Transport class:** 3

**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 / E

**Transport category:** 2

**Section 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**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:** H224: Extremely flammable liquid and vapour.  
H225: Highly flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.  
H340: May cause genetic defects <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H350: May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H411: Toxic to aquatic life with long lasting effects.  
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.

Distributed by

