SAFETY DATA SHEET

Quantum Carpet & Upholstery Cleaner

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

1.1. Product identifier

Product name Quantum Carpet & Upholstery Cleaner

Product number ZGBCAHCLEAN05L, ZGBCAHCLEAN750, ZGBCAHCLEANSAM

Internal identification B50921, 30056, 30067, 30070

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

Identified uses Car maintenance product. Upholstery cleaner

Uses advised against This product is not recommended for any industrial, professional or consumer use other than the identified uses stated above.

1.3. Details of the supplier of the safety data sheet

Supplier

Volkswagen Group United Kingdom Ltd
Yeomans Drive
Blakelands
Milton Keynes

MK14 5AN
01908 601601

1.4. Emergency telephone number

Emergency telephone Tel:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Not Classified

Health hazards

Not Classified

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

Human health

The hazardous properties of the product regarding human health are considered limited. The product contains small amounts of organic solvents.

Environmental

The product is not expected to be hazardous to the environment.

2.2. Label elements

Hazard statements

NC Not Classified

Precautionary statements

P102 Keep out of reach of children.
P262 Do not get in eyes, on skin, or on clothing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P101 If medical advice is needed, have product container or label at hand.

Detergent labelling < 5% anionic surfactants, < 5% perfumes, Contains BENZISOTHIAZOLINONE

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2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PROPAN-2-OL **1-5%**

CAS number: 67-63-0 **EC number:** 200-661-7 **REACH registration number:** 01-2119457558-25-XXXX

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	F;R11 Xi;R36 R67

SULPHURIC ACID, C12-14-ALKYL (EVEN NUMBERED) ESTERS, SODIUM SALTS. **1-5%**

CAS number: 85586-07-8 **EC number:** 287-809-4 **REACH registration number:** 01-2119489463-28-XXXX

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	

(2-METHOXYMETHYLETHOXY)PROPANOL **1-5%**

CAS number: 34590-94-8 **EC number:** 252-104-2 **REACH registration number:** 01-2119450011-60-XXXX

Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	-

SODIUM LAUROYL SARCOSINATE **<1%**

CAS number: 137-16-6 **EC number:** 205-281-5 **REACH registration number:** 01-2119527780-39-XXXX

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 2 - H330 Skin Irrit. 2 - H315 Eye Dam. 1 - H318	T;R23. Xi;R36. R43.

BENZALDEHYDE **<1%**

CAS number: 100-52-7 **EC number:** 202-860-4

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Irrit. 2 - H319 STOT SE 3 - H335	Xn;R20/22. Xi;R36/37.

PROPYLENE GLYCOL **<1%**

CAS number: 57-55-6 **EC number:** 200-338-0 **REACH registration number:** 01-2119456809-23-XXXX

Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	-

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ETHYL ACETATE	<1%
CAS number: 141-78-6 **EC number:** 205-500-4 **REACH registration number:** 01-2119475103-46-XXXX	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	F;R11 Xi;R36 R66 R67

Heliotropine	<1%
CAS number: 120-57-0 **EC number:** 204-409-7	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Skin Sens. 1B - H317	R43.

SODIUM HYDROXIDE	<1%
CAS number: 1310-73-2 **EC number:** 215-185-5 **REACH registration number:** 01-2119457892-27-XXXX	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Skin Corr. 1A - H314 Eye Dam. 1 - H318	C;R35

UNDECA-1,4-LACTONE	<1%
CAS number: 104-67-6 **EC number:** 203-225-4	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Aquatic Chronic 3 - H412	N;R51/53.

Ethyl methylphenylglycidate	<1%
CAS number: 77-83-8 **EC number:** 201-061-8	
Classification	**Classification (67/548/EEC or 1999/45/EC)**
Skin Sens. 1B - H317 Aquatic Chronic 2 - H411	N;R51/53. R43.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Not expected to be a health hazard when used under normal conditions.

Inhalation

Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact

Remove any contact lenses and open eyelids wide apart. Remove any contact lenses and open eyelids wide apart. Continue to

rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

This is unlikely to occur but symptoms similar to those of ingestion may develop.

Ingestion

This is an unlikely accidental route of exposure, but when Ingested in large amounts:- May cause stomach pain or vomiting.

Skin contact

Prolonged and frequent contact may cause redness and irritation.

Eye contact

Prolonged contact may cause redness and/or tearing.

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

Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

No unusual fire or explosion hazards noted.

Hazardous combustion products

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting

Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

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Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Avoid spilling. Read and follow manufacturer's recommendations. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m3
Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m3

SULPHURIC ACID, C12-14-ALKYL (EVEN NUMBERED) ESTERS, SODIUM SALTS.

No exposure limit value known.

(2-METHOXYMETHYLETHOXY)PROPANOL

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m3
Sk

BENZALDEHYDE

No exposure limit value known.

PROPYLENE GLYCOL

Long-term exposure limit (8-hour TWA): WEL 474 mg/m3 150 ppm particulate vapour
Long-term exposure limit (8-hour TWA): WEL 10 mg/m3 particulate

ETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 200 ppm
Short-term exposure limit (15-minute): WEL 400 ppm

Heliotropine

No exposure limit value known.

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m3

UNDECA-1,4-LACTONE

No exposure limit value known.

Ethyl methylphenylglycidate

No exposure limit value known.

WEL = Workplace Exposure Limit
Sk = Can be absorbed through skin.

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PROPAN-2-OL (CAS: 67-63-0)

DNEL
Industry - Inhalation; Long term systemic effects: 500 mg/m3
Consumer - Dermal; Long term systemic effects: 319 mg/kg/day
Consumer - Oral; Long term systemic effects: 26 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 89 mg/m3
Industry - Dermal; Long term systemic effects: 888 mg/kg/day

PNEC
- Fresh water; 140.9 mg/l
- Marine water; 140.9 mg/l
- Intermittent release; 140.9 mg/l
- Sediment (Freshwater); 552 mg/kg
- Sediment (Marinewater); 552 mg/kg
- STP; 2251 mg/l
- Soil; 28 mg/kg

SULPHURIC ACID, C12-14-ALKYL (EVEN NUMBERED) ESTERS, SODIUM SALTS. (CAS: 85586-07-8)

DNEL
Workers - Inhalation; Long term systemic effects: 285 mg/m³
Workers - Dermal; Long term systemic effects: 4060 mg/kg bw/day
General population - Inhalation; Long term systemic effects: 85 mg/m³
General population - Dermal; Long term systemic effects: 2440 mg/kg bw/day
General population - Oral; Long term systemic effects: 24 mg/kg bw/day

PNEC
- Fresh water; 0.102 mg/l
- Marine water; 0.01 mg/l
- Intermittent release; 0.036 mg/l
- STP; 1084 mg/l
- Sediment (Freshwater); 3.58 mg/kg sediment dw
- Sediment (Marinewater); 0.358 mg/kg sediment dw
- Soil; 0.654 mg/kg soil dw

(2-METHOXYMETHYLETHOXY)PROPANOL (CAS: 34590-94-8)

DNEL
Industry - Dermal; Long term systemic effects: 65 mg/kg bw/day
Consumer - Dermal; Long term systemic effects: 15 mg/kg bw/day
Consumer - Inhalation; Long term systemic effects: 37.2 mg/m3
Consumer - Oral; Long term systemic effects: 1.67 mg/kg bw/day
Industry - Inhalation; Long term systemic effects: 308 mg/m³

PNEC
- Fresh water; 19 mg/l
- Marine water; 1.9 mg/l
- STP; 4168 mg/l
- Sediment (Freshwater); 70.2 mg/kg sediment dw
- Sediment (Marinewater); 7.02 mg/kg sediment dw
- Soil; 2.74 mg/kg soil dw
- Intermittent release; 190 mg/l

SODIUM LAUROYL SARCOSINATE (CAS: 137-16-6)

DNEL
Workers - Inhalation; Long term systemic effects: 70.53 mg/m³
Workers - Dermal; Long term systemic effects: 20 mg/kg bw/day
General population - Inhalation; Long term systemic effects: 17.39 mg/m³
General population - Dermal; Long term systemic effects: 10 mg/kg bw/day
General population - Oral; Long term systemic effects: 10 mg/kg bw/day

PNEC
- Fresh water; 0.0297 mg/l
- Marine water; 0.003 mg/l
- Intermittent release; 0.297 mg/l
- STP; 10 mg/l
- Sediment (Freshwater); 0.034 mg/kg sediment dw
- Sediment (Marinewater); 0.0034 mg/kg sediment dw
- Soil; 0.012 mg/kg soil dw

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TRISODIUM CITRATE (CAS: 68-04-2)

DNEL	No DNEL available.
PNEC	- Fresh water; 0.44 mg/l - Marine water; 0.044 mg/l - STP; 1000 mg/l - Sediment (Freshwater); 34.6 mg/kg sediment dw - Sediment (Marinewater); 3.46 mg/kg sediment dw - Soil; 33.1 mg/kg soil dw

BENZALDEHYDE (CAS: 100-52-7)

DNEL	Workers - Inhalation; Long term systemic effects, local effects: 9.8 mg/m³ Workers - Dermal; Long term systemic effects: 1.14 mg/kg bw/day General population - Inhalation; Long term systemic effects, local effects: 4.9 mg/m³ General population - Dermal, Oral; Long term systemic effects: 0.67 mg/kg bw/day
PNEC	- Fresh water; 0.0024 mg/l - Marine water; 0.00024 mg/l - Intermittent release; 0.0107 mg/l - STP; 7.59 mg/l - Sediment (Freshwater); 0.0221 mg/kg sediment dw - Sediment (Marinewater); 0.00221 mg/kg sediment dw - Soil; 0.00301

PROPYLENE GLYCOL (CAS: 57-55-6)

DNEL	Industry - Inhalation; Long term systemic effects: 168 mg/m3 Industry - Inhalation; Long term local effects: 10 mg/m3 Consumer - Inhalation; Long term systemic effects: 50 mg/m3 Consumer - Inhalation; Long term local effects: 10 mg/m3
PNEC	- Fresh water; 260 mg/l - Marine water; 26 mg/l - STP; 20000 mg/kg - Sediment (Freshwater); 572 mg/kg - Sediment (Marinewater); 57.2 mg/kg - Soil; 50 mg/kg - Intermittent release; 183 mg/l

ETHYL ACETATE (CAS: 141-78-6)

DNEL	Workers - Inhalation; Long term systemic effects: 734 mg/m³ Workers - Inhalation; Short term Acute: 1468 mg/m³ Workers - Inhalation; Long term local effects: 734 mg/m³ Workers - Inhalation; Short term Acute: 1468 mg/m³ Workers - Dermal; Long term systemic effects: 63 mg/kg bw/day General population - Inhalation; Long term systemic effects: 367 mg/m³ General population - Inhalation; Short term Acute: 734 mg/m³ General population - Inhalation; Long term local effects: 367 mg/m³ General population - Inhalation; Short term Acute: 734 mg/m³ General population - Dermal; Long term systemic effects: 37 mg/kg bw/day General population - Oral; Long term systemic effects: 4.5 mg/kg bw/day
PNEC	- Fresh water; 0.24 mg/l - Marine water; 0.024 mg/l - Intermittent release; 1.65 mg/l - Sediment (Freshwater); 1.15 mg/kg sediment dw - Sediment (Marinewater); 0.115 mg/kg sediment dw - Soil; 0.148 mg/kg soil dw

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Heliotropine (CAS: 120-57-0)

DNEL
Workers - Inhalation; Long term systemic effects: 3.5 mg/m³
Workers - Dermal; Long term systemic effects: 0.5 mg/kg bw/day
General population - Inhalation; Long term systemic effects: 0.87 mg/m³
General population - Dermal, Oral; Long term systemic effects: 0.25 mg/kg bw/day

PNEC
- Fresh water; 0.0025 mg/l
- Marine water; 0.00025 mg/l
- Intermittent release; 0.025 mg/l
- STP; 10 mg/l
- Soil; 0.00084 mg/kg soil dw
- Sediment (Freshwater); 0.0119 mg/kg sediment dw
- Sediment (Marinewater); 0.0012 mg/kg sediment dw

d-LIMONENE (CAS: 5989-27-5)

DNEL
Workers - Inhalation; Long term systemic effects: 33.3 mg/m³
Workers - Dermal; Short term local effects, Acute: 0.222 mg/cm²
General population - Inhalation; Long term systemic effects: 8.33 mg/m³
General population - Dermal; Short term local effects, Acute: 0.111 mg/cm²
General population - Oral; Long term systemic effects: 4.76 mg/kg bw/day

PNEC
- Fresh water; 0.0054 mg/l
- Marine water; 0.00054 mg/l
- STP; 1.8 mg/l
- Sediment (Freshwater); 1.32 mg/kg sediment dw
- Marine water; 0.13 mg/kg sediment dw
- Soil; 0.262 mg/kg soil dw

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL
Consumer - Inhalation; local effects: 1 mg/m3
Industry - Inhalation; Long term local effects: 1 mg/m3

CITRAL (CAS: 5392-40-5)

DNEL
Workers - Inhalation; Long term systemic effects: 9 mg/m³
Workers - Dermal; Long term systemic effects: 1.7 mg/kg bw/day
Workers - Dermal; Long term local effects: 0.14 mg/cm²
General population - Inhalation; Long term systemic effects: 2.7 mg/m³
General population - Dermal; Long term systemic effects: 1 mg/kg bw/day
General population - Dermal; Long term local effects: 0.14 mg/cm²
General population - Oral; Long term systemic effects: 0.6 mg/kg bw/day

PNEC
- Fresh water; 0.00678 mg/l
- Marine water; 0.000678 mg/l
- Intermittent release; 0.0678 mg/l
- STP; 1.6 mg/l
- Sediment (Freshwater); 0.125 mg/kg sediment dw
- Sediment (Marinewater); 0.0125 mg/kg sediment dw
- Soil; 0.0209 mg/kg soil dw

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UNDECA-1,4-LACTONE (CAS: 104-67-6)

DNEL	Workers - Inhalation; Long term systemic effects: 19 mg/m³ Workers - Dermal; Long term systemic effects: 5.38 mg/kg bw/day General population - Inhalation; Long term systemic effects: 4.68 mg/m³ General population - Dermal, Oral; Long term systemic effects: 2.7 mg/kg bw/day
PNEC	- Fresh water; 0.00585 mg/l - Marine water; 0.000585 mg/l - Intermittent release; 0.0585 mg/l - STP; 80 mg/l - Sediment (Freshwater); 0.628 mg/kg sediment dw - Sediment (Marinewater); 0.063 mg/kg sediment dw - Soil; 0.122 mg/kg soil dw

Ethyl methylphenylglycidate (CAS: 77-83-8)

DNEL	Workers - Inhalation; Long term systemic effects: 2.45 mg/m³ Workers - Dermal; Long term systemic effects: 0.7 mg/kg bw/day General population - Inhalation; Long term systemic effects: 0.61 mg/m³ General population - Dermal, Oral; Long term systemic effects: 0.35 mg/kg bw/day
PNEC	- Fresh water; 0.0084 mg/l - Marine water; 0.0084 mg/l - Intermittent release; 0.084 mg/l - STP; 10 mg/l - Sediment (Freshwater); 0.214 mg/kg sediment dw - Sediment (Marinewater); 0.0214 mg/kg sediment dw - Soil; 0.0378 mg/kg soil dw

8.2. Exposure controls

Protective equipment


Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

In case of intensive contact, wear protective gloves (EN 374). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. protective gloves shall be replaced immediately when physically damaged or worn. Appropriate Material - Butyl, Material Thickness - 0.6 to 0.8mm, Breakthrough Time - 8Hrs

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station and safety shower. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. Use appropriate skin cream to prevent drying of skin.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Do not eat, drink or smoke when using this product.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Colourless to pale straw or light pink.

Odour

Mild. Characteristic. Fruity.

pH

pH (concentrated solution): 7.5 to 9.5

Flash point

> 80°C CC (Closed cup).

Relative density

1.005 @ @ 20°C

Solubility(ies)

Completely soluble in water.

Comments

Information given is applicable to the product as supplied.

9.2. Other information

Volatile organic compound

This product contains a maximum VOC content of 50 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended. No particular stability concerns.

10.3. Possibility of hazardous reactions

Not applicable. Will not polymerise.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid

Strong acids. Strong alkalis. Strong oxidising agents.

10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO_2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)

60,150.37593985

Acute toxicity - inhalation

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ATE inhalation (dusts/mists mg/l)
36.66666667

General information
To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated.

Inhalation
Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion
May cause discomfort if swallowed.

Skin contact
Liquid may irritate skin.

Eye contact
Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards
Not expected to be a health hazard when used under normal conditions.

Route of entry
Inhalation Skin absorption Ingestion. Skin and/or eye contact

Medical symptoms
No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Toxicological information on ingredients.

PROPAN-2-OL

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)
5,840

Species
Rat Rat

ATE oral (mg/kg)
5,840.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)
16.4

Species
Rabbit Rabbit

ATE dermal (mg/kg)
12874.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)
25.5

Species
Rat

ATE inhalation (vapours mg/l)
25.5

Skin corrosion/irritation

Animal data
Not irritating.

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Serious eye damage/irritation

Rabbit eyes: Severe eye irritation.

Respiratory sensitisation

Not available.

Skin sensitisation

Not considered to be a skin sensitizer

Germ cell mutagenicity

Genotoxicity - in vitro

Negative.

Genotoxicity - in vivo

Negative.

Reproductive toxicity

Reproductive toxicity - fertility

Does not interfere with fertility.

Reproductive toxicity - development

No evidence of reproductive toxicity in animal studies.

Specific target organ toxicity - single exposure

STOT - single exposure

Inhalation: May cause drowsiness and dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

Oral and inhalation repeated exposure studies demonstrated target organ effects in male rats (kidney) and male/female mice (thyroid) by mechanisms of action that are not relevant to humans. Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard if swallowed. The fluid can enter the lungs and cause damage (chemical pneumonitis, possibly fatal).

Inhalation

Drowsiness, dizziness, disorientation, vertigo.

Ingestion

No specific health hazards known.

Skin contact

No specific health hazards known.

Eye contact

Irritating to eyes. Splashes in eyes may cause strong pain. Vapour acts as irritant.

Acute and chronic health hazards

Small amounts of liquid aspirated into the respiritory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.

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SULPHURIC ACID, C12-14-ALKYL (EVEN NUMBERED) ESTERS, SODIUM SALTS.

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

1,800.0

Species

Rat

ATE oral (mg/kg)

1,800.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

2001.0

Species

Rabbit

ATE dermal (mg/kg)

2001.0

Acute toxicity - inhalation

Data lacking.

Skin corrosion/irritation

Animal data

Irritating.

Serious eye damage/irritation

Serious eye damage/irritation rabbit: Corrosive

Respiratory sensitisation

Data lacking.

Skin sensitisation

Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro

Based on available data the classification criteria are not met.

Carcinogenicity

Data lacking.

Reproductive toxicity

Reproductive toxicity - fertility

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Not relevant.

(2-METHOXYMETHYLETHOXY)PROPANOL

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

5,001.0

Quantum Carpet & Upholstery Cleaner

Species

Rat

ATE oral (mg/kg)

5,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

9500.0

Species

Rabbit

ATE dermal (mg/kg)

9500.0

Acute toxicity - inhalation

LC0 >3.4mg/l for rats exposed to saturated vapour concentration for 8 hours. Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data

Not irritating.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory sensitisation

Not sensitising.

Skin sensitisation

Not considered to be a skin sensitizer

Germ cell mutagenicity

Genotoxicity - in vitro

Negative.

Genotoxicity - in vivo

Negative.

Carcinogenicity

This substance has no evidence of carcinogenic properties.

Reproductive toxicity

Reproductive toxicity - fertility

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Not considered an aspiration hazard.

Inhalation

Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.

Ingestion

No harmful effects expected from quantities likely to be ingested by accident.

Eye contact

May cause temporary eye irritation.

SECTION 12: Ecological Information

Ecotoxicity

The product is not expected to be hazardous to the environment. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

Ecological information on ingredients.

(2-METHOXYMETHYLETHOXY)PROPANOL

Ecotoxicity

The product is not expected to be toxic to aquatic organisms.

12.1. Toxicity

Ecological information on ingredients.

PROPAN-2-OL

Acute toxicity - fish

LC_{50}, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates

EC_{50}, 24 hours: 9714 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC_{50}, 72 hours: > 1000 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms

EC_{50}, : > 1000 mg/l, Activated sludge

SULPHURIC ACID, C12-14-ALKYL (EVEN NUMBERED) ESTERS, SODIUM SALTS.

Acute toxicity - fish

LC_{50}, 96. hours: 3.6 mg/l, Onchorhynchus mykiss (Rainbow trout) NOEC, 96 hours: 1.8 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates

EC_{50}, 48 hours: 4.7 mg/l, Daphnia magna NOEC, 48 hours: 2.5 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC_{50}, Effect on growth., 72 hours: >20 mg/l, Scenedesmus subspicatus

(2-METHOXYMETHYLETHOXY)PROPANOL

Acute toxicity - fish

LC50, 96 hours: > 1000 mg/l, Poecilia reticulata (Guppy)

Acute toxicity - aquatic invertebrates

LC_{50}, 48 hours: 1919 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC_{50}, 72 hours: > 1000 mg/l, Selenastrum capricornutum NOEC, 96 hours: 969 mg/l, Selenastrum capricornutum

Chronic toxicity - aquatic invertebrates

NOEC, 22 days: 0.5 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability

The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer. The product is biodegradable but it must not be discharged into drains without permission from the authorities.

Quantum Carpet & Upholstery Cleaner

Ecological information on ingredients.

PROPAN-2-OL

Persistence and degradability

The product is expected to be biodegradable.

Biodegradation

- Degradation (%) 95%: 21 days

SULPHURIC ACID, C12-14-ALKYL (EVEN NUMBERED) ESTERS, SODIUM SALTS.

Persistence and degradability

The substance is readily biodegradable.

(2-METHOXYMETHYLETHOXY)PROPANOL

Persistence and degradability

The substance is readily biodegradable.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Ecological information on ingredients.

PROPAN-2-OL

The product is not bioaccumulating.

Partition coefficient

log Pow: 0.05

SULPHURIC ACID, C12-14-ALKYL (EVEN NUMBERED) ESTERS, SODIUM SALTS.

Not potentially bioaccumulative

Partition coefficient

log Pow: ≤ -2.42

(2-METHOXYMETHYLETHOXY)PROPANOL

Soluble in water, low potential for bioaccumulation.

12.4. Mobility in soil

Mobility

The product is soluble in water.

Ecological information on ingredients.

PROPAN-2-OL

Mobility

The product is soluble in water.

Adsorption/desorption coefficient

Soil - Koc: ~ 1.1 @ °C

Henry's law constant

0.00000338 atm m3/mol @ 25°C

SULPHURIC ACID, C12-14-ALKYL (EVEN NUMBERED) ESTERS, SODIUM SALTS.

Mobility

Data lacking.

(2-METHOXYMETHYLETHOXY)PROPANOL

Mobility

Potential for mobility in soil is very high.

12.5. Results of PBT and vPvB assessment

Quantum Carpet & Upholstery Cleaner

This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

PROPAN-2-OL

This substance is not classified as PBT or vPvB according to current EU criteria.

SULPHURIC ACID, C12-14-ALKYL (EVEN NUMBERED) ESTERS, SODIUM SALTS.

This substance is not classified as PBT or vPvB according to current EU criteria.

(2-METHOXYMETHYLETHOXY)PROPANOL

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. The packaging must be empty (drop-free when inverted).

Disposal methods

Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Control of Pollution (Special Waste) Regulations 1980 (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation

Quantum Carpet & Upholstery Cleaner

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Introduction to Local Exhaust Ventilation HS(G)37. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued by	HS&E Manager.
Revision date	06/01/2015
Revision	2
Supersedes date	17/06/2013
SDS status	Approved.

Risk phrases in full

NC Not classified.
R11 Highly flammable.
R22 Harmful if swallowed.
R23 Toxic by inhalation.
R36 Irritating to eyes.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.