

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

**1.1. Product identifier**

Product name: VIRUQUAT 300

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

Use of substance / mixture: PC8: Biocidal products (e.g. Disinfectants, pest control).

**1.3. Details of the supplier of the safety data sheet**

Company name: QUAT-CHEM LTD

4 Dodgson Street

Rochdale

Lancashire

OL16 5SJ

United Kingdom

Tel: 0044 (0)1706 344 797

Fax: 0044 (0)1706 681 561

Email: [mail@quatchem.co.uk](mailto:mail@quatchem.co.uk)

**1.4. Emergency telephone number**

Emergency tel: 01706 344 797

(office hours only)

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

Classification under CLP: Acute Tox. 4: H302; Resp. Sens. 1: H334; Skin Sens. 1A: H317; Aquatic Chronic 1: H410; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Eye Dam. 1: H318; Acute Tox. 4: H332

**Most important adverse effects:** Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Very toxic to aquatic life with long lasting effects.

**2.2. Label elements**

Label elements:

Hazard statements: H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H332: Harmful if inhaled.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H410: Very toxic to aquatic life with long lasting effects.

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**Hazard pictograms:** GHS05: Corrosion  
GHS07: Exclamation mark  
GHS08: Health hazard  
GHS09: Environmental



**Signal words:** Danger

**Precautionary statements:** P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P284: Wear respiratory protection.  
P301+P312: IF SWALLOWED: Call a POISON CENTER if you feel unwell.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P342+P311: If experiencing respiratory symptoms: Call a POISON CENTER.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

## 2.3. Other hazards

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

PROTECTOL® GA 50 AS (GLUTARAL 50%)

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-856-5	111-30-8	-	Aquatic Chronic 2: H411; Acute Tox. 3: H301; Acute Tox. 2: H330; Skin Corr. 1B: H314; Resp. Sens. 1: H334; Skin Sens. 1A: H317; Eye Dam. 1: H318; Aquatic Acute 1: H400; STOT SE 3: H335	10-32%

C12-C16 ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE

270-325-2	68424-85-1	-	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Corr. 1B: H314; Acute Tox. 4: H302	1-13%
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## ALCOHOL ETHOXYLATE

931-954-4	160901-19-9	-	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412	1-10%
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## ETHANOL

200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	<2%
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## METHANOL

200-659-6	67-56-1	-	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370	≤ 1%
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**Contains:** Contains 4-tert-butylcyclohexylacetate and terpineol. May produce an allergic reaction.

## 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. Consult a doctor.

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

**Ingestion:** Wash out mouth with water. Consult a doctor. Do not induce vomiting. If conscious, give half a litre of water to drink immediately.

**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 of fumes from the stomach may cause symptoms similar to direct inhalation.

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

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

## 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.

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## 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:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid. Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. Mark out the contaminated area with signs and prevent access to unauthorised personnel. If outside keep bystanders upwind and away from danger point.

### 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

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

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

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

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

### 7.3. Specific end use(s)

**Specific end use(s):** PC8: Biocidal products (e.g. Disinfectants, pest control).

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

ETHANOL

[cont...]

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## Workplace exposure limits:

State	Workplace exposure limits:		Respirable dust:	
	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920 mg/m <sup>3</sup>	-	-	-

## Respirable dust:

## METHANOL

UK	266 mg/m <sup>3</sup>	333 mg/m <sup>3</sup>	-	-
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## DNEL/PNEC Values

**DNEL / PNEC** No data available.

## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency. Gas/vapour filter, type B: inorganic vapours excl. CO (EN141).

**Hand protection:** Impermeable gloves. Breakthrough time of the glove material > 1 hour.

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

**Skin protection:** Impermeable protective clothing.

**Environmental:** Prevent from entering in public sewers or the immediate environment.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Red

**Odour:** Characteristic odour

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** Soluble

**Viscosity:** No data available.

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

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

**Flash point°C:** No data available.

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

**Relative density:** 1.000 - 1.060 g/ml

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

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

**upper:** No data available.

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

**Vapour pressure:** No data available.

**pH:** 1.4 - 1.6

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

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## 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.

## 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Direct sunlight

## 10.5. Incompatible materials

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

## 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:

##### PROTECTOL® GA 50 AS (GLUTARAL 50%)

DERMAL	RBT	-	>2000	mg/kg
ORAL	RAT	LD50	154	mg/kg
VAPOURS	RAT	4H LC50	0.28 -0.39	mg/l

##### C12-C16 ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE

DERMAL	RBT	LD50	3340	mg/kg
ORAL	RAT	LD50	344	mg/kg

##### ALCOHOL ETHOXYLATE

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	300 -2000	mg/kg

##### ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

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## METHANOL

IVN	RAT	LD50	2131	mg/kg
ORL	MUS	LD50	7300	mg/kg
ORL	RAT	LD50	5628	mg/kg

### Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	INH ING	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	INH	Hazardous: calculated

### Symptoms / routes of exposure

**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 of fumes from the stomach may cause symptoms similar to direct inhalation.

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

## Section 12: Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

##### PROTECTOL® GA 50 AS (GLUTARAL 50%)

Daphnia magna	48H EC50	4.2	mg/l
FISH	96H LC50	1.6	mg/l
SHEEPSHEAD MINNOWS (Cyprindodon variegat	96H LC50	12.4	mg/l

##### C12-C16 ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE

ALGAE	96H ErC50	0.049	mg/l
Daphnia magna	48H EC50	0.016	mg/l
FISH	96H LC50	0.28	mg/l

##### ALCOHOL ETHOXYLATE

ALGAE	72H ErC50	1 -10	mg/l
DAPHNIA	48H EC50	1 -10	mg/l

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Daphnia magna	48H EC50	1 -10	mg/l
FISH	96H LC50	1 -10	mg/l

## 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:** Readily absorbed into soil.

## 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.

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

**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:** UN2927

### 14.2. UN proper shipping name

**Shipping name:** TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.  
(GLUTARALDEHYDE; METHANOL)

### 14.3. Transport hazard class(es)

**Transport class:** 6.1 (8)

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmentally hazardous:** Yes

**Marine pollutant:** Yes

[cont...]



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## 14.6. Special precautions for user

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

Specific regulations: Not applicable.

### 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:** according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

**Phrases used in s.2 and s.3:** H225: Highly flammable liquid and vapour.

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H311: Toxic in contact with skin.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H330: Fatal if inhaled.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335: May cause respiratory irritation.

H370: Causes damage to organs.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**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.