

SAFETY DATA SHEET according to regulation (EC) No.1907/2006

Date of issue: 19 September 2014

Issue number: 1

SECTION 1: Identification of the substance/mixture and company

1.1. Product Identifier

Product code: XV1202

Name: Detergent Disinfectant

1.2. Product Uses

Concentrated disinfectant and cleaner

1.3. Supplier

Quadralene Ltd
Bateman Street
Derby
DE23 8JL

Phone: 01332 292500

Web: www.quadralene.co.uk

Fax: 01332 295941

Email: info@quadralene.co.uk

1.4. Emergency telephone number

Emergency telephone number: 01332 292402

SECTION 2: Hazards identification (Undiluted product)

2.1. Classification of the mixture

According to 1272/2008

Health Hazards: Carc. 2, Eye Dam. 1, Skin Corr. 1B, Skin Sens. 1, STOT RE 2

Physical Hazards: Not Classified

Environmental Hazards: Aquatic Acute 1 Aquatic Chronic 1

2.2. Label elements

According to 1272/2008

Danger



H314 Causes severe skin burns and eye damage H317 May cause an allergic skin reaction

H318 Causes serious eye damage H351 Suspected of causing cancer

H400 Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects

H373 May cause damage to organs through prolonged or repeated exposure

P260 Do not breathe mist/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. P363 Wash contaminated clothing before reuse.

P304 + P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P273 Avoid release to the environment. P405 Store locked up

2.3. Other hazards

SECTION 3: Composition/ information on ingredients

Material	CAS number	Level	Hazards (see section 16)	
Nonionic surfactant	Mixture	1-5%	Aquatic Acute 1, Aquatic Chronic 2, Eye Dam. 1, Skin Irrit. 2	H315 H318 H400 H411
Didecyltrimethyl ammonium chloride	7173-51-5	1-5%	Acute Tox. 4, Aquatic Acute 1, Flam. Liq. 3, Met. Corr. 1, Skin Corr. 1B, STOT SE 3	H226 H290 H302 H314 H336 H400
Poly(hexamethyleneguanide) hydrochloride	32289-58-0	1-5%	Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1, Carc. 2, Eye Dam. 1, Skin Sens. 1, STOT RE 1	H351 H302 H372 H318 H317 H400 H410

SECTION 4: First aid measures

4.1. Description of first aid measures

Eye contact: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.

Skin contact: Remove contaminated clothing, wash skin with soap and water. Seek medical attention immediately.

Inhalation: If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.

Ingestion: Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

First aider PPE: As required to prevent contact. See section 8.2.

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

Eye hazard: Will cause severe irritation and damage.

Skin hazard: Causes severe burns. Can cause sensitisation by skin contact.

Respiratory hazard: Breathing spray mist may cause irritation.

Other hazards:

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

SECTION 5: Fire fighting measures

Flammability hazard: Not combustible.

5.1. Extinguishing media

No special requirements. As appropriate for the fire.

5.2. Special hazards arising from the mixture

No specific hazards arising from the mixture. May produce toxic fumes under extreme heating in fire.

5.3. Advice for firefighters

No special measures arising from the mixture.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Take precautions to avoid contact. Use Personal Protective Equipment as detailed in section 8

Spillage may make floors slippery. Keep the area clear. Observe regulations.

6.2. Environmental precautions

Prevent spills from entering water courses.

6.3. Methods and material for containment and cleaning up

Small quantities, flush to foul sewer with a large quantity of water.

Large quantities, contain and absorb or pump into suitable containers for disposal.

6.4. Reference to other sections

Observe the advice given in sections 8 and 13

SECTION 7: Handling and storage

Shelf life: 24 months in original sealed containers.

7.1. Precautions for safe handling

Do not mix with other products. Observe good industrial hygiene.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry place protected from frost and away from acids and strong oxidising agents. Store upright in original containers. Recommended storage temperature 5-25°C.

7.3. Product Uses

Dilute the concentrate with distilled or deionised water to give a 5% solution before use.

For 500ml of solution use 25ml of concentrate with 475ml of water.

For 1000ml of solution, use 50ml of concentrate with 950ml of water.

Follow the device manufacturer's instructions for cleaning. Remove gross soiling before disinfection.

Apply by immersion, or using ultrasonic agitation. Rinse cleaned surfaces with water.

Please refer to product safety data sheet before use. Use only as directed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits

None set in UK EH40

8.2. Exposure controls

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye protection: Wear eye protection appropriate to the process according to BS EN 166.

Hand protection: Wear pvc or latex gloves. Exact choice of glove depends on specific risk assessments.

Body protection: As necessary to prevent contact.

Respiratory protection: Avoid breathing spray mist, wear a protective mask to EN149 if necessary.

Other protection:

Personal protective equipment:



Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Environmental protection: Prevent mixture from entering water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Clear colourless liquid

Odour: Virtually odourless

pH (typical): 7.5 5% in water (typical).

Initial boiling point: 100°C.

Flash point: None.

Auto-ignition temp: None.

Viscosity: Free flowing.

Explosive properties: None.

Oxidising properties: None.

Vapour pressure: 17.5mm Hg at 20°C.

Solubility: Miscible with water.

Relative density at 20° C (typical): 0.997

9.2. Other information

SECTION 10: Stability and reactivity

- 10.1. Reactivity** Incompatible with strong oxidising agents and acids.
- 10.2. Chemical stability** Stable under recommended storage conditions.
- 10.3. Possibility of hazardous reactions** No hazardous reactions are expected to occur.
- 10.4. Conditions to avoid** Extremes of temperature.
- 10.5. Incompatible materials** Incompatible with strong oxidising agents and acids.
- 10.6. Hazardous decomposition products** None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

- Acute toxicity: Contains ingredients classified as Acute Tox. Section 3. Mixture is not classified as Acute Tox.
- Skin corrosion/ irritation: Mixture is classified as Skin Corr. 1B. See section 2.
- Serious eye damage/ irritation: Mixture is classified as Eye Dam. 1. See section 2.
- Respiratory or skin sensitisation: Mixture is classified as Skin Sens. 1. See section 2.
- Germ cell mutagenicity: Does not contain any ingredients classified as mutagenic.
- Carcinogenicity: Mixture is classified as Carc. 2. See section 2.
- Reproductive toxicity: Does not contain any ingredients classified as toxic for reproduction.
- STOT single exposure: Contains an ingredient classified as STOT SE. Section 3. Mixture is not classified as STOT SE.
- STOT repeated exposure: Mixture is classified as STOT RE. See section 2.
- Aspiration toxicity: Does not contain any ingredients classified as Asp Tox.

Routes of exposure/ symptoms

- Eye contact: Will cause severe irritation and damage.
- Skin contact: Causes severe burns. Can cause sensitisation by skin contact.
- Inhalation: Breathing spray mist may cause irritation.
- Ingestion: Moderate toxicity, will cause irritation to gastro-intestinal tract.

SECTION 12: Ecological information

- 12.1. Toxicity** This product has microbiocidal properties. Large quantities will affect biological treatment plants. Classified as very toxic to aquatic life and with long lasting effects
- 12.2. Persistence and degradability** All organic ingredients are biodegradable when well diluted. Surfactants used comply with biodegradation criteria, see section 15.1.
- 12.3. Bioaccumulative potential** Not expected to bioaccumulate
- 12.4. Mobility in soil** This product has high water solubility
- 12.5. Results of PBT and vPvB assessment** Contains no ingredients classified as PBT or vPvB.
- 12.6. Other adverse effects** No other adverse effects are anticipated.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Empty cleaned containers can be recycled where facilities exist or sent for landfill or incineration where permitted.
- Large quantities, dispose via a licensed chemical waste contractor.
- Process effluent can normally be discharged to foul sewer (subject to consent limits).

SECTION 14: Transport information

- 14.1. UN number** 1903 **14.2. UN proper shipping name** Disinfectant, liquid, corrosive, N.O.S.
- 14.3. Transport hazard class(es)** 8 **14.4. Packing group** 2
- 14.5. Environmental hazards** Classified as very toxic to aquatic life for supply
- 14.6. Special precautions for user** No specific precautions.
- 14.7. Transport in bulk according to Annex II of MARPOL 7 3/78 and the IBC Code** Not available for bulk transport.

SECTION 15: Regulatory information

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

Contents according to (EC) regulation No.648/2004 on detergents:

Disinfectant	<5%
Nonionic surfactants	<5%

The surfactant(s) contained in this preparation comply with the biodegradability criteria 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.

15.2. Chemical safety assessment A chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements relating to ingredients (see section 3)

H315 Causes skin irritation H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage H317 May cause an allergic skin reaction
H400 Very toxic to aquatic life H411 Toxic to aquatic life with long lasting effects
H372 Causes damage to organs through prolonged or repeated exposure
H226 Flammable liquid and vapour
H290 May be corrosive to metals
H302 Harmful if swallowed
H410 Very toxic to aquatic life with long lasting effects
H336 May cause drowsiness or dizziness
H351 Suspected of causing cancer

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This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.

