

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

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

### 1.1. Product Identifier

Product code: V1SIC

Name: Fine Clean

### 1.2. Product Uses

Clock, watch and instrument cleaner.

### 1.3. Supplier

Quadralene Ltd  
Bateman Street  
Derby  
DE23 8JL

Phone: 01332 292500

Web: [www.quadralene.co.uk](http://www.quadralene.co.uk)

Fax: 01332 295941

Email: [info@quadralene.co.uk](mailto: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: Asp. Tox. 1, Eye Dam. 1, Skin Irrit. 2, STOT SE 3

Physical Hazards: Flam. Liq. 3

Environmental Hazards: Aquatic Chronic 3

### 2.2. Label elements

According to 1272/2008

Danger



H318 Causes serious eye damage

H315 Causes skin irritation

H336 May cause drowsiness or dizziness

H412 Harmful to aquatic life with long lasting effects

H226 Flammable liquid and vapour

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

P261 Avoid breathing mist/vapours/spray. P273 Avoid release to the environment.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

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

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.

P302 + P352 IF ON SKIN: Wash with plenty of water.

### 2.3. Other hazards

### **SECTION 3: Composition/ information on ingredients**

<b>Material</b>	<b>CAS number</b>	<b>Level</b>	<b>Hazards (see section 16)</b>	
Hydrocarbon solvent	64742-47-8	30-70%	Asp. Tox. 1	H304
Hydrocarbon solvent	64742-95-6	5-15%	Aquatic Chronic 2, Asp. Tox. 1, Flam. Liq. 3, STOT SE 3	H226 H335 H336 H411 H304
Monoethanolamine	141-43-5	1-5%	Acute Tox. 4, Skin Corr. 1B, STOT SE 3	H302 H312 H314 H335 H332
Nonionic surfactant	106232-83-1	1-5%	Aquatic Acute 1, Eye Dam. 1	H318 H400

### **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 using a proprietary cleanser. Seek medical attention if irritation persists.
- Inhalation: In case of overexposure, remove to fresh air, keep warm and at rest, seek medical assistance immediately.
- Ingestion: Do not induce vomiting. 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 damage.
- Skin hazard: Will cause irritation.
- Respiratory hazard: Moderate toxicity. Main danger is of lung damage by aspiration.
- Other hazards:

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

No special treatment or attention required additional to section 4.2.

### **SECTION 5: Fire fighting measures**

Flammability hazard: Flammable.

#### **5.1. Extinguishing media**

Use foam, dry powder or carbon dioxide.

#### **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

Exclude sources of ignition, provide ventilation. 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**

Absorb using sand or other inert material and transfer to 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.

Keep away from sources of ignition. Provide ventilation.

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

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

### **7.3. Product Uses**

Agitate the parts in a bath of the cleaner for a few minutes, remove the cleaned parts and drain thoroughly. Agitate the clean parts in a batch of Clock, Watch and Instrument Rinse and drain again. Repeat using a second bath of clean Rinse.

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

Hydrocarbon solvent	600mg/m <sup>3</sup>	WEL 8 hour TWA (Recommended)
Monoethanolamine	7.6mg/m <sup>3</sup>	WEL 15 min STEL (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 nitrile or neoprene gloves. Exact choice of glove depends on specific risk assessments.
Body protection:	As necessary to prevent contact.
Respiratory protection:	Use in a well ventilated area. Avoid breathing vapour or spray. Wear a respirator 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: Golden brown liquid.

Odour: Characteristic.

pH (typical): Not Applicable.

Initial boiling point: 154°C.

Flash point: 40°C.

Auto-ignition temp: 225°C.

Viscosity: Free flowing.

Explosive properties: Not applicable.

Oxidising properties: Not applicable.

Vapour pressure: 5mm Hg at 20°C.

Solubility: Emulsifies with water.

Relative density at 20° C (typical): 0.837

### **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** May produce toxic fumes in fire.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

- Acute toxicity: Based on available data, the classification criteria are not met.
- Skin corrosion/ irritation: Mixture is classified as Skin Irrit. 2. See section 2.
- Serious eye damage/ irritation: Mixture is classified as Eye Dam. 1. See section 2.
- Respiratory or skin sensitisation: Does not contain any ingredients classified as sensitising.
- Germ cell mutagenicity: Does not contain any ingredients classified as mutagenic.
- Carcinogenicity: Does not contain any ingredients classified as carcinogenic.
- Reproductive toxicity: Does not contain any ingredients classified as toxic for reproduction.
- STOT single exposure: Mixture is classified as STOT SE 3. See section 2.
- STOT repeated exposure: Does not contain any ingredients classified as STOT RE.
- Aspiration toxicity: Mixture is classified as Asp Tox. 1. See section 2.

### **Routes of exposure/ symptoms**

- Eye contact: Will cause severe damage.
- Skin contact: Will cause irritation.
- Inhalation: Excessive exposure may cause irritation of the respiratory tract, headache, dizziness and nausea.
- Ingestion: Moderate toxicity. Main danger is of lung damage by aspiration.

## **SECTION 12: Ecological information**

- 12.1. Toxicity** May affect aquatic organisms due to hydrocarbon content if released into water courses untreated.
- 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**

Dispose of surplus product and packaging via a licenced chemical waste contractor.

## **SECTION 14: Transport information**

- 14.1. UN number** 1993      **14.2. UN proper shipping name** Flammable Liquid, N.O.S.
- 14.3. Transport hazard class(es)** 3      **14.4. Packing group** 3
- 14.5. Environmental hazards** Harmful to aquatic life with long lasting effects
- 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:

Aliphatic hydrocarbons	>30%
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)

H304 May be fatal if swallowed and enters airways

H226 Flammable liquid and vapour

H335 May cause respiratory irritation

H336 May cause drowsiness or dizziness

H411 Toxic to aquatic life with long lasting effects

H302 Harmful if swallowed    H318 Causes serious eye damage

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

H400 Very toxic to aquatic life

H332 Harmful if inhaled

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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.

