



S a f e t y   D a t a   S h e e t  
According to Regulation (EC) 1907/2006  
and (EU) 453/2010

**5819 AQUAMETRIC Solvent CM**

**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Name:

AQUAMETRIC Solvent CM

**REACH Registration Number:** A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

**1.2 Relevant identified uses of the substance or mixture:**

For laboratory utilisation, analysis, research and fine chemistry.

**1.3 Identification of the company or firm:**

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: [product.safety@panreac.com](mailto:product.safety@panreac.com)

**1.4 Emergency telephone:**

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

**2. Identification of dangers**

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

## **Classification Regulation (CE) nº 1272/2008.**

Flam. Liq. 3  
Acute Toxicity Oral cat. 3  
Acute Toxicity Inhalation cat. 3  
Acute Toxicity Dermal cat. 3  
Eye Irrit. 2  
Skin Irrit. 2  
STOT RE 2  
STOT SE 1  
Repr. 1B  
Carc. 2

## **Classification (67/548/CEE or 1999/45/CE).**

**Xi** Irritant  
**Xn** Harmful  
**T** Toxic

R10  
R39/23/24/25  
R36/38  
R40  
R60  
R61

## **2.2 Label elements:**

### **Hazard Pictograms**



### **Signal word**

Danger

### **Hazard statements**

H226 Flammable liquid and vapour.  
H301 Toxic if swallowed.  
H331 Toxic if inhaled.  
H311 Toxic in contact with skin.  
H319 Causes serious eye irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H315 Causes skin irritation.  
H370 Causes damage to organs.  
H360D May damage the unborn child.  
H351 Suspected of causing cancer.

### **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.

For the full text of the R-phrases mentioned in this section, see section 16.

### **2.3 Other hazards:**

No further relevant information available.

## **3. Composition/information on ingredients**

Name: AQUAMETRIC Solvent CM

### **COMPOSITION:**

#### **0001: Trichloromethane \*stabilized with amylene**

Formula:  $\text{CHCl}_3$  M.= 119,38 CAS [67-66-3]

EC number (EINECS): 200-663-8

EC index number: 602-006-00-4

REACH Registration Number: 01-2119486657-20-XXXX

**Content:**  $\geq 75\%$

**Classification Regulation (CE) n° 1272/2008.**

Acute Tox. 4

Skin Irrit. 2

Carc. 2

Acute Tox. 3

Repr. 2

STOT RE 1

Eye Irrit. 2

### **Hazard Pictograms**



### **Signal word**

Danger

### **Hazard statements**

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H351 Suspected of causing cancer.  
H361d Suspected of damaging the unborn child.  
H331 Toxic if inhaled.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H319 Causes serious eye irritation.

### **Precautionary statements**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash...thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves, protective clothing, eye protection or face protection.  
P281 Use personal protective equipment as required.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P314 Get medical advice/attention if you feel unwell.  
P321 Specific treatment (see on this label).  
P330 Rinse mouth.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P405 Store locked up.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P261 Avoid breathing dust, fume, gas, mist, vapours or spray.  
P271 Use only outdoors or in a well-ventilated area.  
P311 Call a POISON CENTER or doctor/physician.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

### **Classification (67/548/CEE or 1999/45/CE).**

**Xi** Irritant  
**Xn** Harmful

**R48/20/22** Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

**R40** Limited evidence of a carcinogenic effect.

**R38** Irritating to skin.

**R22** Harmful if swallowed.

**R40** Limited evidence of a carcinogenic effect.

**R63** Possible risk of harm to the unborn child.

**R36** Irritating to eyes.

## 0002: Sulphurous Anhydride

Formula: O<sub>2</sub>S      M.= 64,06    CAS [7446-09-5]

EC number (EINECS): 231-195-2

EC index number: 016-011-00-9

**Content:**  $\geq 1 \%$   $\leq 2 \%$

### Classification Regulation (CE) n° 1272/2008.

Press. Gas

Acute Tox. 3

Skin Corr. 1B

### Hazard Pictograms



### Signal word

Danger

### Hazard statements

H280 Contains gas under pressure; may explode if heated.

H331 Toxic if inhaled.

H314 Causes severe skin burns and eye damage.

### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

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

P304+P340 IF INHALED: Remove victim 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.

P315 Get immediate medical advice/attention.

P403 Store in a well-ventilated place.

P405 Store locked up.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

### Classification (67/548/CEE or 1999/45/CE).

**T** Toxic

**C** Corrosive

**R23** Toxic by inhalation.

**R34** Causes burns.

### 0003: Imidazole

Formula: C<sub>3</sub>H<sub>4</sub>N<sub>2</sub> M.= 68,08 CAS [288-32-4]

EC number (EINECS): 206-019-2 REACH Registration Number: 01-2119485825-24-XXXX

**Content:** >= 1 % <= 3 %

#### Classification Regulation (CE) n° 1272/2008.

Acute Toxicity Oral cat. 4

Skin Corr. 1C

Repr. 1B

#### Hazard Pictograms



#### Signal word

Danger

#### Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H360D May damage the unborn child.

#### Precautionary statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

P281 Use personal protective equipment as required.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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

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

P304+P340 IF INHALED: Remove victim 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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P310 Immediately call a POISON CENTER or doctor/physician.

P330 Rinse mouth.

P338 Remove contact lenses, if present and easy to do. Continue rinsing.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

**Classification (67/548/CEE or 1999/45/CE).**

**C** Corrosive  
**T** Toxic

**R22** Harmful if swallowed.  
**R34** Causes burns.  
**R61** May cause harm to the unborn child.

**0004: Methanol**

Formula: CH<sub>3</sub>OH M.= 32,04 CAS [67-56-1]  
EC number (EINECS): 200-659-6  
EC index number: 603-001-00-X  
REACH Registration Number: 01-2119433307-44-XXXX

**Content:** >= 15 % <= 20 %

**Classification Regulation (CE) n° 1272/2008.**

Flam. Liq. 2  
Acute Toxicity Inhalation cat. 3  
Acute Toxicity Dermal cat. 3  
Acute Toxicity Oral cat. 3  
STOT SE 1

**Hazard Pictograms**



**Signal word**

Danger

**Hazard statements**

H225 Highly flammable liquid and vapour.  
H331 Toxic if inhaled.  
H311 Toxic in contact with skin.  
H301 Toxic if swallowed.  
H370 Causes damage to organs.

**Precautionary statements**

P280 Wear protective gloves, protective clothing, eye protection or face protection.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P309 IF exposed or if you feel unwell:  
P310 Immediately call a POISON CENTER or doctor/physician.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

**Classification (67/548/CEE or 1999/45/CE).**

**F** Highly flammable  
**T** Toxic

**R11** Highly flammable.  
**R23/24/25** Toxic by inhalation, in contact with skin and if swallowed.  
**R39/23/24/25** Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

**4. First aid measures**

**4.1 General indications:**

Never provide drink or induce vomiting in the event of loss of consciousness.

**4.2 Inhaling:**

Take the person out into the fresh air. In the event of suffocation, proceed to provide artificial respiration. Loosen clothing to release respiratory channels.

**4.3 Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing.

**4.4 Eyes:**

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek medical assistance.

**4.5 Swallowing:**

Drink large amounts of water. Seek immediate medical assistance.

**5. Firefighting measures**

**5.1 Suitable extinguishing media:**

Carbon dioxide (CO<sub>2</sub>). Dry powder. Alcohol resistant foam. Atomized water.

**5.2 Unsuitable extinguishing media:**

No specific data.

**5.3 Special hazards arising from the substance or mixture:**

Combustible. Keep away from sources of ignition. In the event of fire, toxic fumes may form.

**5.4 Advice for firefighters:**

Suitable clothing and footwear.

**6. Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Do not inhale the fumes.

**6.2 Environmental precautions:**

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.



### **6.3 Methods and material for containment and cleaning up:**

Collect up with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation.

## **7. Handling and storage**

### **7.1 Precautions for safe handling:**

Handle with caution.

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

Well sealed containers. In well ventilated premises. Restricted access, only authorized to technicians.

**Recommended storage temperature:** Room temperature. Dry atmosphere.

## **8. Exposure controls/personal protection**

### **8.1 Exposure controls:**

Ensure good ventilation and renewal of the air in the premises.

### **8.2 Control parameters:**

VLA-ED( $\text{CHCl}_3$ ): 10 ppm = 50 mg/m<sup>3</sup>

### **8.3 Respiratory protection:**

In the event of fumes forming/aerosols, use suitable respiratory protection.

### **8.4 Hand protection:**

Use suitable gloves

### **8.5 Eye/face protection:**

Use suitable goggles.

### **8.6 Individual hygiene measures:**

Remove contaminated clothing. Wash hands and face before breaks and when the job is done. Use complete protective equipment.

### **8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

## **9. Physical and chemical properties**

Appearance: liquid

Colour: Colourless

Granulometry: N/A

Odour: Characteristic.

pH:

N/A

Melting point/freezing point: N/A

Initial boiling point and boiling range: 60 - 65 °C

Flash point: > 23 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density:

Insertar Aquí Grupo de repetición

(20/4) 1,277 g/ml

Solubility:

N/A

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity:

N/A

## **10. Stability and reactivity**

### **10.1 Conditions to avoid:**

High temperatures. Humidity.

### **10.2 Incompatible materials:**

Metals (powder). Alkaline metals. Alkali-earth metals. Peroxides. Fluorine. Strong bases. Ketones. Alkaline solutions. Alcoholates. Alkaline hydroxides. Alcohols. Nitrogen organic compounds. Alkaline amides. Oxygen Oxygen Alkaline solutions. Nitrogen oxides. Non-metal hydrides. Bis-(dimethylamino)-dimethyltin

### **10.3 Hazardous decomposition products:**

COCl<sub>2</sub>. Hydrogen chloride. Chlorine.

### **10.4 Chemical stability:**

Heat sensitive.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

: Data not available.

### **11.2 Dangerous effects for health:**

Possible carcinogen. Pregnant women must not be allowed to come into contact with the product. Possible risk of adverse effects to the foetus during pregnancy. If fumes inhaled: coughing breathing difficulties narcosis Due to absorption: anxiety spasms After a period of latency: vomiting diarrhoea respiratory paralysis coma Upon contact with the skin: irritations Risk of cutaneous absorption. Through contact with the eyes: Irritations to the mucosae The following cannot be ruled out: kidney problems hepatic problems Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Toxicity:**

Ecotoxic data not available.

### **12.2 Persistence and Degradability :**

Possibly non-biodegradable product.

### **12.3 Bioaccumulative potential:**

Possibly bioaccumulable product.

#### **12.4 Mobility in soil :**

Data not available.

#### **12.5 Assessment PBT and MPMB :**

Data not available.

#### **12.6 Other adverse effects:**

Do not allow it to enter soils or water channels.

Extremely ecotoxic product.

Maximum precaution handling it so as not to dump any.

DATA BASED on the components of the preparation.

### **13. Disposal considerations**

#### **13.1 Waste treatment methods:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

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#### **13.2 Contaminated containers:**

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

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### **14. Transport information**

Overland (ADR):

Technical name: FLAMMABLE LIQUID, TOXIC, N.O.S.

UN 1992 Class: 3 6.1 CONTAM.MAR Packaging group: III (D/E)

By sea (IMDG):

Technical name: FLAMMABLE LIQUID, TOXIC, N.O.S.

UN 1992 Class: 3 6.1 CONTAM.MAR Packaging group: III

By air (ICAI-IATA):

Technical name: Flammable liquid, toxic, n.o.s.

UN 1992 Class: 3 6.1 CONTAM.MAR Packaging group: III

Packaging instructions: CAO 364 PAX 352

### **15. Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### **16. Other information**

#### **Other precautionary statements**

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

## Labelling (65/548/CEE or 1999/45/CE)

R-phrases(s):     **R10** Flammable.  
                          **R39/23/24/25** Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.  
                          **R36/38** Irritating to eyes and skin.  
                          **R40** Limited evidence of a carcinogenic effect.  
                          **R60** May impair fertility.  
                          **R61** May cause harm to the unborn child.

S-phrases(s):     **S36/37** Wear suitable protective clothing and gloves.  
                          **S45** In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
                          **S7** Keep container tightly closed.

Version and revision date : 4 16.07.2013

Date published: 16.07.2013

In respect of the previous review, changes have been made to the following sections: 2, 3, 15

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.