

Safety Data Sheet  
According to Regulation (EC) 1907/2006



1279 Collodion flexible

**1. Identification of the substance/preparation and of the company or firm**

**1.1 Identification of the substance or preparation**

Name:

Collodion flexible

**Synonym:**

**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 Use of the substance/preparation:**

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**

Classification of the substance or the mixture.

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

Flam. Liq. 1

Acute Tox. 4

STOT SE 3

**Hazard Pictograms**



**Signal word**

Danger

**Hazard statements**

H224 Extremely flammable liquid and vapour.

EUH019 May form explosive peroxides.

H302 Harmful if swallowed.

EUH066 Repeated exposure may cause skin dryness or cracking.

H336 May cause drowsiness or dizziness.

**Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.

P242 Use only non-sparking tools.

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

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

<b>Xn</b>	Harmful	R66
<b>F+</b>	Extremely flammable	R22
		R19
		R12
		R67

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

**3. Component Composition/Information**

Name: Collodion flexible

**Composition:****0001: Ethanol absolute**

Formula: CH<sub>3</sub>CH<sub>2</sub>OH M.= 46,07 CAS [64-17-5]

EC number (EINECS): 200-578-6

EC index number: 603-002-00-5

REACH Registration Number: 01-2119457610-43-XXXX

**Content:** >= 15 % <= 30 %

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

Flam. Liq. 2

## Hazard Pictograms



### Signal word

Danger

### Hazard statements

H225 Highly flammable liquid and vapour.

### Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.

P242 Use only non-sparking tools.

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

P243 Take precautionary measures against static discharge.

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

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

P370+P378 In case of fire: Use for extinction.

P403+P235 Store in a well-ventilated place. Keep cool.

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

**F** Highly flammable

**R11** Highly flammable.

### 0002: Diethyl Ether \*stabilized with ~6 ppm of BHT

Formula: C<sub>2</sub>H<sub>5</sub>OC<sub>2</sub>H<sub>5</sub> M.= 74,12 CAS [60-29-7]

EC number (EINECS): 200-467-2

EC index number: 603-022-00-4

REACH Registration Number: 01-2119535785-29-XXXX

**Content:** >= 50 % <= 70 %

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

Flam. Liq. 1

Acute Tox. 4

STOT SE 3

## Hazard Pictograms



### Signal word

Danger

### **Hazard statements**

H224 Extremely flammable liquid and vapour.  
H302 Harmful if swallowed.  
H336 May cause drowsiness or dizziness.  
EUH019 May form explosive peroxides.  
EUH066 Repeated exposure may cause skin dryness or cracking.

### **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
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.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P243 Take precautionary measures against static discharge.  
P233 Keep container tightly closed.  
P264 Wash...thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.  
P242 Use only non-sparking tools.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.  
P330 Rinse mouth.  
P370+P378 In case of fire: Use for extinction.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

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

<b>F+</b> Extremely flammable	<b>R12</b> Extremely flammable.
<b>Xn</b> Harmful	<b>R19</b> May form explosive peroxides.
	<b>R22</b> Harmful if swallowed.
	<b>R66</b> Repeated exposure may cause skin dryness or cracking.
	<b>R67</b> Vapours may cause drowsiness and dizziness.

## **4. First aid**

### **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 immediately to provide artificial respiration. Seek immediate medical assistance. 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:**

Avoid vomiting. Risk of aspiration. Seek medical assistance. Administer Vaseline oil as a laxative (3 ml/kg).

### **5. Fire-fighting means**

#### **5.1 Suitable fire-extinguishing means:**

Dry powder. Foam. Carbon dioxide (CO<sub>2</sub>).

#### **5.2 Fire-fighting means which must NOT be used:**

No specific data.

#### **5.3 Special risks:**

Flammable. Keep away from sources of ignition. The fumes are heavier than air, so they may spread at floor level. In the event of fire, toxic fumes may form: NO<sub>x</sub>. Precipitate fumes formed with water. May form explosive mixtures with the air.

#### **5.4 Protective equipment:**

Suitable clothing and footwear. Self-contained breathing equipment.

### **6. Measures to be taken in the event of accidental spillage**

#### **6.1 Individual precautions:**

Do not inhale the fumes.

#### **6.2 Precautions for care of the environment:**

Avoid pollution of the soil, water supplies and drains.

#### **6.3 Methods for collection/cleaning:**

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 Handling:**

Avoid the formation of electrostatic charges.

#### **7.2 Storage:**

Well sealed containers. In well ventilated premises. Away from light. Away from sources of ignition and heat. Room temperature.

### **8. Staff exposure/protection controls**

#### **8.1 Technical protective measures:**

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

**8.2 Exposure limit control:**

: Data not available.

MAK (diethyl ether) 400 ml/m<sup>3</sup>; 1.200 mg/m<sup>3</sup>(ethanol) 1.000 ml/m<sup>3</sup>; 1.900 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 protection:**

Use suitable goggles.

**8.6 Individual hygiene measures:**

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

**8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

**9. Physical and chemical properties**

Appearance: liquid

Colour:

N/A

Granulometry: N/A

Odour: Characteristic.

pH:

N/A

Melting point/freezing point: N/A

Initial boiling point and boiling range: 34,6 °C 1.000 hPa

Flash point: - 52 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits: 36 %(V) / 1,7 %(V)

Vapour pressure: 576 hPa (20 °C)

Vapour density: N/A

Relative density: (25/4) 0,78

Solubility:

N/A

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature: 170 °C

Decomposition temperature: N/A

Viscosity: N/A

**10. Stability and reactivity****10.1 Conditions which should be avoided:**

High temperatures.

**10.2 Matter which should be avoided:**

Oxidant agents (amongst others: perchloric acid, perchlorates, halogenates, CrO<sub>3</sub>, halogen oxides, nitric acid, nitrogen oxides, non-metal oxides, chromo-sulphuric acid). Alkaline metals.

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

Nitrous fumes. Ether.

### **10.4 Complementary information:**

Light-sensitive. Explosive when dry. The gases/fumes can form explosive mixtures with the air.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

: Data not available.

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

The data we have are insufficient for correct toxicological assessment. Based on the physico-chemical properties, the likely dangerous characteristics are: Systemic effects: euphoria drowsiness dizziness spasms anxiety narcosis Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Toxicity:**

12.1.1 - EC50 test (mg/l):

12.1.2. - Receptor medium:

Risk for the water environment

Risk for the land environment

12.1.3. - Observations:

Ecotoxic data not available.

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

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

Data not available.

### **12.3 Bioaccumulative potential:**

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk

12.3.3. - Observations:

Data not available.

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

Data not available.

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

Data not available.

### **12.6 Other possible effects on the environment:**

Risk of formation of explosive fumes on the surface of the water.

Do not allow it to enter soils or water channels.

## **13. Considerations regarding elimination**

### **13.1 Substance or preparation:**

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. Information concerning transport**

Overland (ADR):

Technical name: NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose

UN 2059 Class: 3 Packaging group: I (B)

By sea (IMDG):

Technical name: NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose

UN 2059 Class: 3 Packaging group: I

By air (ICAI-IATA):

Technical name: Nitrocellulose solution, flammable

UN 2059 Class: 3 Packaging group: I

Packaging instructions: CAO 361 PAX 351

## **15. Regulatory information**

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

## **16. Other information**



### Other precautionary statements

P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash...thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
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.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 Rinse mouth.  
P370+P378 In case of fire: Use for extinction.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

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

R-phrases(s):	<b>R66</b> Repeated exposure may cause skin dryness or cracking. <b>R22</b> Harmful if swallowed. <b>R19</b> May form explosive peroxides. <b>R12</b> Extremely flammable. <b>R67</b> Vapours may cause drowsiness and dizziness.
S-phrases(s):	<b>S33</b> Take precautionary measures against static discharges. <b>S29</b> Do not empty into drains. <b>S16</b> Keep away from sources of ignition - No smoking. <b>S9</b> Keep container in a well-ventilated place.

Review number and date: 4 15.09.2011

Date published: 15.09.2011

In respect of the previous review, changes have been made to the following sections: 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.