

**S a f e t y D a t a S h e e t**  
According to Regulation (EC) 1907/2006

162023 **Methyl Acetate, 99% PS**

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

**1.1 Identification of the substance or preparation**

Name:

Methyl Acetate

**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

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Emergencies:

Single telephone number for emergency calls: 112 (EU)

Tel.:(+34) Tel.:(+34) 937 489 499

**2. Identification of dangers**

Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

### 3. Component Composition/Information

Name: Methyl Acetate

Formula:  $\text{CH}_3\text{COOCH}_3$  M.=74,08 CAS [79-20-9]

EC number (EINECS): 201-185-2

EC index number: 607-021-00-X

### 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 to provide artificial respiration. In the event sickness persists, seek medical assistance.

#### 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.) Administer Vaseline oil as a laxative (3 ml/kg). Seek medical assistance.

### 5. Fire-fighting means

#### 5.1 Suitable fire-extinguishing means:

Foam. Dry powder. Carbon dioxide ( $\text{CO}_2$ ).

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

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#### 5.3 Special risks:

Combustible. Keep away from sources of ignition. The fumes are heavier than air, so they may spread at floor level. May form explosive mixtures with the air.

#### 5.4 Protective equipment:

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

### **6.1 Individual precautions:**

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

Do not allow it to enter the drainage system. 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. Clean any remains with plenty of water.

## **7. Handling and storage**

### **7.1 Handling:**

Avoid the formation of electrostatic charges. Handle under an extractor fan.

### **7.2 Storage:**

Well sealed containers. In well ventilated premises. Keep away from flammable substances, sources of ignition and heat. In a cool place.

## 8. Staff exposure/protection controls

### 8.1 Technical protective measures:

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### 8.2 Exposure limit control:

TLV-TWA: 200 ppm or 606 mg/m<sup>3</sup>

VLA-ED: 200 ppm or 616 mg/m<sup>3</sup>

VLA-EC: 250 ppm or 770 mg/m<sup>3</sup>

### 8.3 Respiratory protection:

In the event of fumes forming/aerosols, use suitable respiratory protection. Filter AX.  
Filter P<sub>3</sub>.

### 8.4 Hand protection:

Use suitable gloves

### 8.5 Eye protection:

Use suitable goggles.

### 8.6 Individual hygiene measures:

Remove contaminated clothing. Use suitable work clothing. Wash hands before breaks and when the job is done. Do not inhale the substance.

### 8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

The supplier of the protection equipment must specify the type of protection to be worn when handling the substance or preparation, including the type of material and the breakthrough time of the material, with regard to the amount and duration of exposure.

## 9. Physical and chemical properties

Appearance:

Transparent, colourless liquid.

Odour:

Characteristic.

pH 7

Boiling point: 57°C

Melting point: -98,1°C

Flash point: -10°C

Self-ignition temperature: 475°C

Explosion limits (lower/upper): 3,1 / 16 Vol. %

Vapour pressure: (20°C) 220 hPa

Density (20/4): 0,933

Solubility: 250 g/l in water at 20°C

## **10. Stability and reactivity**

### **10.1 Conditions which should be avoided:**

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### **10.2 Matter which should be avoided:**

Oxidant agents.

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

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### **10.4 Complementary information:**

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## **11. Toxicological information**

### **11.1 Acute toxicity:**

LD<sub>50</sub> oral rabbit: 3705 mg/kg

LCLo inh rat: 32000 ppm/4h

TCLo inh man: 15000 mg/m<sup>3</sup>

Rabbit skin sensitization test: 500 mg/24h: light

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

Upon contact with the skin: irritations. Risk of cutaneous absorption. Can have a demoiaturizing effect on the skin, with the risk of secondary infection.

Through contact with the eyes: irritations.

If it is absorbed in large quantities: narcosis.

Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Mobility:**

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### **12.2 Ecotoxicity:**

12.1.1 - EC<sub>50</sub> test (mg/l):

Bacteria (Photobacterium phosphoreum) = 12000 mg/l ; Classification: Very toxic

12.2.2 - Receptor medium:

Risk for the water environment = Medium

Risk for the land environment = Low

12.2.3 - Observations:

Acute ecotoxicity in line with the dumping concentration.

### **12.3 Degradability:**

12.3.1 - Test:-----

12.3.2 - Biotic degradation classification:

BOD<sub>5</sub>/COD Biodegradability = -----

12.3.3 - Abiotic degradation depending on pH: -----

12.3.4 - Observations:

Data not available.

### **12.4 Accumulation:**

12.4.1 - Test:

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12.4.2 - Bioaccumulation:

Risk = -----

12.4.3 - Observations:

Data not available.

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

Hardly pollutant product. 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.

#### 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.

### 14. Information concerning transport

Overland (ADR):

Technical name: ACETATO DE METILO

ONU 1231 Class: 3 Packaging group: II (D/E)

By sea (IMDG):

Technical name: ACETATO DE METILO

ONU 1231 Class: 3 Packaging group: II

By air (ICAI-IATA):

Technical name: Acetato de metilo

ONU 1231 Class: 3 Packaging group: II

Packaging instructions: CAO 307 PAX 305

### 15. Mandatory information

#### 15.1 Labelling as per REACH

Symbols: 

Danger indications: Highly flammable Irritant

Phrases R: 11-36-66-67 Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Phrases S: 16-26-29-33 Keep away from sources of ignition - No smoking. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Do not empty into drains. Take precautionary measures against static discharges.

EC index number: 607-021-00-X

## **16. Other information**

Review number and date:1 07.06.09

In respect of the previous review, changes have been made to the following sections: 3, 8, 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.