



## Safety Data Sheet

According to Regulation (EC) 1907/2006



2768 m-Xylene

# Identification of the substance/preparation and of the company or firm

## 1.1 Identification of the substance or preparation

Name:

m-Xylene

**Synonym:**

1,3-Dimethylbenzene

**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

## Identification of dangers

Classification of the substance or the mixture.

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

Flam. Liq. 3

Acute Tox. 4

Acute Tox. 4

Skin Irrit. 2

#### Hazard Pictograms



#### Signal word

Warning

#### Hazard statements

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

#### 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).

R38

Xn Harmful R20/21

R10

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

## Component Composition/Information

Name: m-Xylene

Formula: C<sub>6</sub>H<sub>4</sub>(CH<sub>3</sub>)<sub>2</sub> M.= 106,17 CAS [108-38-3]

EC number (EINECS): 203-576-3

EC index number: 601-022-00-9

## 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.

### 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. Do not drink ethyl alcohol. Seek medical assistance. Administer a solution of medical-usage active charcoal.

## Fire-fighting means

### 5.1 Suitable fire-extinguishing means:

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

### 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. May form explosive mixtures with the air. In the event of fire, toxic fumes may form.

### 5.4 Protective equipment:

Suitable clothing and footwear.

## 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. Clean any remains with plenty of water.

## Handling and storage

**7.1 Handling:**

Avoid the formation of electrostatic charges. No special indications.

**7.2 Storage:**

Well sealed containers. In well ventilated premises. Away from sources of ignition and heat. Room temperature. Do not store in plastic containers.

## 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:**

VLA-EC: 100 ppm - 442 mg/m<sup>3</sup> dermal resorption

VLA-ED: 50 ppm - 442 mg/m<sup>3</sup> dermal resorption

**8.3 Respiratory protection:**

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

**8.4 Hand protection:**

Use suitable gloves nitrile

**8.5 Eye protection:**

Use suitable goggles.

**8.6 Individual hygiene measures:**

Remove contaminated clothing. Use suitable work clothing. 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.

## Physical and chemical properties

Appearance: liquid

Colour: Colourless
Granulometry: N/A
Odour: Characteristic.
pH: N/A
Melting point/freezing point: -48 °C
Initial boiling point and boiling range: 139,3 °C
Flash point: 25 °C
Flammability (solid, gas): N/A
Upper/lower flammability or explosive limits: 7,6 %(V) / 1 %(V)
Vapour pressure: 8 hPa (20 °C)
Vapour density: N/A
Relative density: (20/4) 0,868
Solubility: 0,2 g/l in water 20 °C
Partition coefficient: n-octanol/water: N/A
Auto-ignition temperature: 465 °C
Decomposition temperature: N/A
Viscosity: N/A

## Stability and reactivity

### 10.1 Conditions which should be avoided:

The product is chemically stable under standard ambient conditions (room temperature).

### 10.2 Matter which should be avoided:

Strong oxidant agents. Concentrated sulfuric acid. Nitric acid. Rubber.

### 10.3 Hazardous decomposition products:

No specific data.

### 10.4 Complementary information:

No specific data.

## Toxicological information

- **Acute toxicity:**

TDL0 oral mus : 12 mg/kg

LD50 oral rat : 5.000 mg/kg

LD50 skn rbt : 14.100 mg/kg

TC L0 inh man : 424 mg/m<sup>3</sup> 6d

LC L0 inh rat : 8000 ppm 4h

LD50 ipr mus : 1.739 mg/kg

- **Dangerous effects for health:**

Conclusions are lacking regarding evaluation of a damaging effect on the foetus. If fumes inhaled: Irritations to the respiratory tracts. Can cause oedemas in the respiratory tract Upon contact with the skin: irritations Risk of cutaneous absorption. Following prolonged contact with the product. dermatitis Can have a demoiurizing effect on the skin, with the risk of secondary infection. Through contact with the eyes: irritations Due to absorption: Systemic effects: headaches drowsiness dizziness euphoria anxiety spasms narcosis Effect potentiated by ethanol. Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

## Environmental information

### 12.1 Toxicity:

12.1.1 - EC50 test (mg/l):

Bacteria (*Photobacterium phosphoreum*) 3,36 mg/l

Classification:

Extr. toxic

Crustaceans (*Daphnia magna*) 3,7 mg/l

Classification:

Extr. toxic

Fish (*C. auratus*) 16 mg/l

Classification:

Extr. toxic

12.1.2. - Receptor medium:

Risk for the water environment

High

Risk for the land environment

High

12.1.3. - Observations:

Extremely, acutely ecotoxic.

## **12.2 Persistence and Degradability :**

12.2.1 - Test:

COD = 2,63 g/g

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

Easily biodegradable product.

## **12.3 Bioaccumulative potential:**

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk

12.3.3. - Observations:

Non-bioaccumulable product.

## **12.4 Mobility in soil :**

Repartition:  $\log P(\text{oct}) = 3,2$

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

Data not available.

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

Do not allow it to enter soils or water channels.

Dangerous for drinking water.

Do not allow it to enter the sewage system.

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

# **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.

## **Information concerning transport**

Overland (ADR):

Technical name: XYLENES

UN 1307 Class: 3 Packaging group: III (D/E)

By sea (IMDG):

Technical name: XYLENES

UN 1307 Class: 3 Packaging group: III

By air (ICAI-IATA):

Technical name: Xylenes

UN 1307 Class: 3 Packaging group: III

Packaging instructions: CAO 366 PAX 355

## **Regulatory information**

Categorized as hydrocarbon substance.

## **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.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
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.  
P321 Specific treatment (see on this label).  
P322 Specific measures (see on this label).  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P363 Wash contaminated clothing before reuse.  
P370+P378 In case of fire: Use for extinction.  
P403+P235 Store in a well-ventilated place. Keep cool.

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

R-phrases(s):	<b>R38</b> Irritating to skin. <b>R20/21</b> Harmful by inhalation and in contact with skin. <b>R10</b> Flammable.
S-phrases(s):	<b>S25</b> Avoid contact with eyes.

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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.