



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

**1769 Xylene, \*mixture of isomers**

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

**1.1 Product identifier**

Name:

Xylene, \*mixture of isomers

**Synonym:**

Dimethylbenzene, Xilol

**CAS:** [1330-20-7]

**REACH Registration Number:** 01-2119488216-32-XXXX

**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

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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 Tox. 4

Acute Tox. 4

Skin Irrit. 2

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

**Xn** Harmful

R38  
R20/21  
R10

## 2.2 Label elements:

### 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, hot surfaces, sparks, open flames and other ignition sources. 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.

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

Isomer mixture, mainly n-Xylene #70%, Ethylbenzene 20% and variable amounts of o and p-Xylene.

Name: Xylene, \*mixture of isomers

Formula: C<sub>8</sub>H<sub>10</sub> M.= 106,17 CAS [1330-20-7]

EC number (EINECS): 215-535-7

EC index number: 601-022-00-9

REACH Registration Number: 01-2119488216-32-XXXX

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

Do not induce vomiting. Do not drink ethyl alcohol. Call for medical help. Administer a solution of medical-usage active charcoal.

## **5. Firefighting measures**

### **5.1 Suitable extinguishing media:**

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

### **5.2 Unsuitable extinguishing media:**

No specific data.

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

Flammable. Keep away from sources of ignition. The fumes are heavier than air, so they may spread at floor level. Auf Rückzündung achten

### **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:**

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. Clean any remains with plenty of water.

## **7. Handling and storage**

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

Avoid the formation of electrostatic charges. No special indications.

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

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

## **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-EC: 100 ppm = 442 mg/m<sup>3</sup> dermal resorption VLA-ED: 50 ppm = 221 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/face 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.

## **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: 137 - 144 °C

Flash point: 29 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits: 7,6 %(V) / 1,7 %(V)

Vapour pressure: 8 hPa (20 °C)

Vapour density: N/A

Relative density:

Insertar Aquí Grupo de repetición

(20/4) 0,864 g/ml

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

Kinematic viscosity: N/A

Dynamic viscosity:

N/A

## **10. Stability and reactivity**

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

High temperatures.

### **10.2 Incompatible materials:**

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

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

No specific data.

### **10.4 Chemical stability:**

No specific data.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

LD L0 oral man : 50 mg/kg

LD L0 oral hmn : 50 mg/kg

LD50 oral rat : 4.300 mg/kg

LC L0 inh man : 5320 ppm 8h

LC L0 inh man : 10000 ppm (V) 6h

LC L0 inh rat : 5000 ppm 4h

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

Conclusions are lacking regarding evaluation of a damaging effect on the foetus. If fumes inhaled: Irritations to the respiratory tracts. Risk of cutaneous absorption.

Due to absorption: Systemic effects: headaches drowsiness dizziness euphoria anxiety spasms narcosis Effect potentiated by ethanol. Upon contact with the skin: irritations Following prolonged contact with the product. dermatitis Through contact with the eyes: irritations Can have a demoiaturizing effect on the skin, with the risk of secondary infection.

## **12. Environmental information**

### **12.1 Toxicity:**

#### **- EC50 test (mg/l):**

Bacteria (Photobacterium phosphoreum) 16 mg/l

Classification:

Extr. toxic

Crustaceans (Daphnia magna) 165 mg/l

Classification:

Highly toxic

Fish (Leuciscus Idus) 86 mg/l

Classification:

Extr. toxic

Hydrologycal organisms. 10 mg/l

Classification:

Extr. toxic

#### **- Receptor medium:**

Risk for the water environment

High

Risk for the land environment

Medium

#### **- Observations:**

Extremely toxic in water environments.

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

#### **- Test:**

#### **- Biotic degradation classification:**

BOD5/COD

Biodegradability

#### **- Abiotic degradation depending on pH:**

#### **- Observations:**

Biodegradable product.

### **12.3 Bioaccumulative potential:**

#### **- Test:**

#### **- Bioaccumulation:**

Risk

#### **- Observations:**

Data not available.

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

Repartition: log P(oct)= 2,9

Repartition: log BCF= 2,4

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

Data not available.

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

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.

## **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: 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

## **15. Regulatory information**

Categorized as hydrocarbon substance.

## **16. Other information**

### Other precautionary statements

P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust, fume, gas, mist, vapours or spray.  
P264 Wash...thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves, protective clothing, eye protection or 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.

Version and revision 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.