

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 08.05.2026

Version number 1

Revision: 08.05.2026

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: Paraxylene

CAS number:

106-42-3

EC number:

203-396-5

Index number:

601-022-00-9

1.2 Relevant identified uses of the substance or mixture and uses advised against

Sector of Use: Product supplied for professional use only

Application of the substance / the preparation:

Relevant identified uses: Production of basic organic chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

KPPC (Kuwait Paraxylene Production Company)

KNPC administration building, 2nd Floor, Mina Abdullah, Kuwait

Tel: +965 2388-3866

Email: pic@pic.com.kw

1.4 Emergency telephone number(s):

NCEC - English Support Only:

EMEA/Worldwide: +44 1865 407333

Americas/Worldwide +1 202 464 2554

APAC/Worldwide: +65 3165 2217

Ireland - National Poisons Information Centre: 01 837 9964 or 01 809 2566 (healthcare professionals only).

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3	H226 Flammable liquid and vapour.
Acute Tox. 4	H312 Harmful in contact with skin.
Acute Tox. 4	H332 Harmful if inhaled.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
STOT SE 3	H335 May cause respiratory irritation.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS02 GHS07 GHS08

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 08.05.2026

Version number 1

Revision: 08.05.2026

Trade name: Paraxylene

Signal word: Danger

Hazard-determining components of labelling:

p-xylene

Hazard statements:

- H226 Flammable liquid and vapour.
- H312+H332 Harmful in contact with skin or if inhaled.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H304 May be fatal if swallowed and enters airways.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- 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/hearing protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P331 Do NOT induce vomiting.
- P321 Specific treatment (see on this label).
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P304+P340 IF INHALED: Remove person to fresh air and keep 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.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.1 Substances

CAS Number. Description.

106-42-3 p-xylene

Identification number(s)

EC number: 203-396-5

Index number: 601-022-00-9

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 08.05.2026

Version number 1

Revision: 08.05.2026

Trade name: Paraxylene

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in the recovery position.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Contact a doctor if symptoms arise.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: CO₂, dry powder, foam or water spray. Fight larger fires with water spray.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep unprotected persons away.

6.2 Environmental precautions Prevent seepage into sewage system, workpits and basements.

6.3 Methods and material for containment and cleaning up

Ensure adequate ventilation.

Absorb with liquid-binding material.

Dispose contaminated material as waste according to section 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 08.05.2026

Version number 1

Revision: 08.05.2026

Trade name: Paraxylene

Prevent formation of aerosols.
Avoid contact with the eyes and skin.
Avoid breathing vapours.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Store in a dry, cool and well-ventilated area.

Information about storage in one common storage facility: Not required

Further information about storage conditions: Keep container tightly closed.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

106-42-3 p-xylene

OEL	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin, IOELV
-----	---

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Ensure good ventilation/exhaustion at the workplace.
Ensure that washing facilities are available at the work place.
Avoid contact with the eyes and skin.
Wash hands before breaks and at the end of work.

Respiratory protection:

In case of brief exposure use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection



Protective gloves.

Eye/face protection Safety glasses.

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Colour:	Colourless.
Odour:	Aromatic.
Odour threshold:	Not determined
Melting point/freezing point:	Not determined.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 08.05.2026

Version number 1

Revision: 08.05.2026

Trade name: Paraxylene

Boiling point or initial boiling point and boiling range	138 °C
Flammability	Not determined
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	26 °C
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined
pH	Not determined
VOC (EC):	
Dynamic at 20 °C:	0.648 mPas
Solubility	
Water:	Not determined
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure at 20 °C:	9 mmHg
Density and/or relative density	
Density:	Not determined
Relative density	Not determined
Vapour density	Not determined

9.2 Other information

Appearance:	
Form:	Liquid.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures is possible.
Softening point/range	
Oxidising properties	Not determined.
Evaporation rate	Not determined

Information with regard to physical hazard classes

Explosives	Not applicable.
Flammable gases	Not applicable.
Aerosols	Not applicable.
Oxidising gases	Not applicable.
Gases under pressure	Not applicable.
Flammable liquids	Flammable liquid and vapour.
Flammable solids	Not applicable.
Self-reactive substances and mixtures	Not applicable.
Pyrophoric liquids	Not applicable.
Pyrophoric solids	Not applicable.
Self-heating substances and mixtures	Not applicable.
Substances and mixtures, which emit flammable gases in contact with water	Not applicable.
Oxidising liquids	Not applicable.
Oxidising solids	Not applicable.
Organic peroxides	Not applicable.
Corrosive to metals	Not applicable.
Desensitised explosives	Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity Stable under normal conditions of use, storage, and transport.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 08.05.2026

Version number 1

Revision: 08.05.2026

Trade name: Paraxylene

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials No further relevant information available.

10.6 Hazardous decomposition products No further relevant information available.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Harmful in contact with skin or if inhaled.

LD/LC50 values:

106-42-3 p-xylene

Oral	LD50	5,000 mg/kg (Rat)
------	------	-------------------

Potential Health Effects:

Primary irritant effect:

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure:

May cause respiratory irritation.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard:

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

None of the ingredients are listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 08.05.2026

Version number 1

Revision: 08.05.2026

Trade name: Paraxylene

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation:

Do not allow product to reach sewage system.

Disposal must be made in accordance with official regulations.

Uncleaned packaging:

Recommendation:

Packaging that may not be cleansed must be disposed of in the same manner as the product.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

UN1307

14.2 UN proper shipping name

ADR

1307 XYLENES

IMDG, IATA

XYLENES

14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class

3 Flammable liquids.

Label

3

14.4 Packing group

ADR, IMDG, IATA

III

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Warning: Flammable liquids.

Hazard identification number (Kemler code):

30

EMS Number:

F-E, S-E

Stowage Category

A

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

Transport/Additional information:

ADR

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Tunnel restriction code:

D/E

IMDG

Limited quantities (LQ)

5L

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 08.05.2026

Version number 1

Revision: 08.05.2026

Trade name: Paraxylene**Excepted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended (including amendments introduced by Regulation (EU) 2020/878).

Directive 2012/18/EU**Named dangerous substances - ANNEX I** The substance is not listed**Seveso category** P5c FLAMMABLE LIQUIDS**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients are listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients are listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients are listed.

15.2 Chemical safety assessment

 A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of previous version: 08.05.2026

Abbreviations and acronyms:

WEL: Workplace Exposure Limits

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3