



SAFETY DATA SHEET

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XYLENE
MSDS CAS: 1330-20-07

52215

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

1.1. Product identifier

Trade name : XYLENE
Product code : 52215
Identification of the product : Xylene
CAS No : 001330-20-7
EC No : 215-535-7
Annex No : 601-022-00-9

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

Use : Laboratory. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification : BIOCHEM CHEMOPHARAMA France
82 AV du 85eme de ligne 58200 Cosne Sur Loire
FRANCE
Tel : +33 3.86.27.24.96

1.4. Emergency telephone number

Phone nr : +33 3.86.27.24.96 (9:00am – 4:15pm)

2. Hazards identification -DSD

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : R10
Xn; R20/21
Xi; R38

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Specific Target Organ Toxicity - Single exposure - Respiratory tract irritation - Category 3 - Warning (CLP : STOT SE 3) H335
Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315
Acute toxicity, dermal - Category 4 - Warning (CLP : Acute Tox. 4) H312
Acute toxicity, Inhalation - Category 4 - Warning (CLP : Acute Tox. 4) H332

Physical hazards : Flammable liquids - Category 3 - Warning (CLP : Flam. Liq. 3) H226

2.2. Label elements

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2. Hazards identification -DSD (continued)Labelling EC 67/548 or EC 1999/45

Symbol(s)



Symbol(s)

: Xn : Harmful

R Phrase(s)

: R10 : Flammable.
R20/21 : Harmful by inhalation and in contact with skin.
R38 : Irritating to skin.

S Phrase(s)

: S2 : Keep out of the reach of children.
S25 : Avoid contact with eyes.

Contains

: Xylene

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms

Signal words

: Warning

Hazard statements

: H226 : Flammable liquid and vapour.
H312 : Harmful in contact with skin.
H315 : Causes skin irritation.
H332 : Harmful if inhaled.
H335 : May cause respiratory irritation.

Precautionary statements

• General

: P102: Keep out of reach of children.
P103: Read label before use.
P101: If medical advice is needed, have product container or label at hand.

• Prevention

: P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical, ventilating, lighting, ..., equipment.
P210: Keep away from heat, sparks, open flames or hot surfaces. – No smoking.
P280: Wear protective gloves, protective clothing, eye protection, face protection.
P271: Use only outdoors or in a well-ventilated area.
P261: Avoid breathing dust, fume, gas, mist, vapours, spray.
P233: Keep container tightly closed.
P264: Wash thoroughly after handling.

• Response

: P302+P352: IF ON SKIN : Wash with plenty of soap and water.
P332+P313: If skin irritation occurs : Get medical advice.
P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.
P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower.
P363: Wash contaminated clothing before reuse.
P370+P378: In case of fire: Use for extinction.



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2. Hazards identification -DSD (continued)

- **Storage** : P403+P233: Store in well-ventilated place. Keep container tightly closed.
P403+P235: Store in well-ventilated place. Keep cool.
P405: Store locked up.
- **Disposal considerations** : P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
- Contains** : Xylene

2.3. Other hazards

- Other hazards** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

3. Composition/information on ingredients

- Substance / Preparation** : Xylene
CAS No :001330-20-7
EC No :215-535-7
Annex No :601-022-00-9
Substance.

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Xylene	100 %	1330-20-7	215-535-7	601-022-00-9	----	R10 Xn, R20/21 Xi, R38 ----- Flam. Liq. 3 _ H226 Acute Tox. 4 (skin) _ H312 Acute Tox. 4 (inhal) _ H332 Skin Irrit. 2 _ H315 STOT SE 3 _ H335

Contains no other components or impurities which will influence the classification of the product.

4. First aid measures

4.1. Description of first aid measures

- Inhalation** : Call a POISON CENTER or doctor if you feel unwell. Remove to fresh air and keep at rest in a position comfortable for breathing.
- Skin contact** : Get medical advice. If skin irritation occurs : Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Specific treatment (see on this label). Immediately call a POISON CENTER or doctor.
- Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- Ingestion** : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms relating to use** : Repeated exposure to this material can result in absorption through skin causing significant health hazard.
Causes skin irritation. May cause respiratory irritation.
Danger of serious damage to health by prolonged exposure through inhalation.

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4. First aid measures (continued)

4.3. Indication of any immediate medical attention and special treatment needed

General information : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

Surrounding fires : Use water spray or fog for cooling exposed containers.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products : Under fire conditions, hazardous fumes will be present.

5.3. Advice for fire-fighters

Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For emergency responders : Equip cleanup crew with proper protection.
Ventilate area.

Technical measures : Use special care to avoid static electric charges.

Special precautions : Remove ignition sources. No naked lights. No smoking.

For non-emergency personnel : Evacuate unnecessary personnel.

6.2. Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.

6.4. Reference to other sections

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6. Accidental release measures (continued)

See section 8. Exposure controls/personal protection

7. Handling and storage

7.1. Precautions for safe handling

- Handling** : Handle empty containers with care because residual vapours are flammable. Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume, gas, mist, vapours, spray. Take precautionary measures against static discharge. Wash thoroughly after handling.
- Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour. Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools. Use explosion-proof electrical, ventilating, lighting, ..., equipment.
- Special precautions** : No naked lights. No smoking. Avoid breathing dust, fume, gas, mist, vapours, spray.

7.2. Conditions for safe storage, including any incompatibilities

- Storage** : Keep only in the original container in a cool, well ventilated place. Keep in fireproof place. Keep container tightly closed. Ground/bond container and receiving equipment.
- Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

- Specific end use(s)** : None.

8. Exposure controls/personal protection

8.1. Exposure controls

- Personal protection** : Avoid all unnecessary exposure.
- **Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment.
 - **Hand protection** : Wear protective gloves.
 - **Skin protection** : Wear suitable protective clothing.
 - **Eye protection** : Chemical goggles or safety glasses.
 - **Others** : When using, do not eat, drink or smoke.

8.2. Control parameters

- Occupational Exposure Limits** : No data available.
- VLA-ED [ppm]** : 50
- VLA-ED [mg/m³]** : 221
- VLA-EC [ppm]** : 100

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8. Exposure controls/personal protection (continued)

VLA-EC [mg/m ³]	: 442
ILV (EU) - 8 H - [ppm]	: (50 Skin.)
ILV (EU) - 8 H - [mg/m ³]	: (221 Skin.)
ILV (EU) - 15 min - [ppm]	: (100 Skin.)
ILV (EU) - 15 min - [mg/m ³]	: (442 Skin.)
TLV [©] -TWA [mg/m ³]	: 435

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state at 20 °C	: Liquid.
Colour	: Clear Colorless
Odour	: Aromatic odor
Odour threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: -34 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: 460
Flammability (solid, gas)	: Flammable liquid and vapour. Flammable.
Flash point [°C]	: Circa 25
Boiling point [°C]	: 135 to 145
Initial boiling point [°C]	: 118 °C
Final boiling point [°C]	: 126 °C
Evaporation rate	: 0,7
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: Circa 8
Vapour density	: 3,66
Density [g/cm ³]	: 0.9
Relative density, gas (air=1)	: 3.7
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Insoluble.
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm ² /s]	: N/A

9.2. Other information



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9. Physical and chemical properties (continued)

Explosive properties : N/A
Explosion limits - upper [%] : 7
Explosion limits - lower [%] : 1
Oxidising properties : No data available.

10. Stability and reactivity

10.1. Reactivity

Reactivity : Not established.

10.2. Chemical stability

Chemical stability : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

10.4. Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.
May release flammable gases.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

- Inhalation : Harmful if inhaled.
- Dermal : Harmful in contact with skin.
- Ingestion : Based on available data, the classification criteria are not met.

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

Irritation : Causes skin irritation.
May cause respiratory irritation.



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11. Toxicological information (continued)

Sensitization	: Based on available data, the classification criteria are not met.
Mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Toxic for reproduction	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.

12. Ecological information

12.1. Toxicity

Toxicity information : Not established.

12.2. Persistence - degradability

Persistence - degradability : Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

Mobility in soil : Not established.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

13. Disposal considerations

13.1. Waste treatment methods

General	: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Special precautions	: Handle empty containers with care because residual vapours are flammable.

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14. Transport information**14.1. Land transport (ADR-RID)**

Proper shipping name : XYLENES
UN N° : 1307
H.I. nr :30
ADR - Class :3
Labelling - Transport : 3 : Flammable liquid.



ADR - Classification code :F1
ADR - Group : III
ADR - Packing instructions : P001 R001 LP001
ADR - Limited Quantity :5 l
ADR - Tunnel code



: D/E : Bulk or tank carriage: Passage forbidden through tunnels of category D and E. Other carriage: Passage forbidden through tunnels of category E.

14.2. Sea transport (IMDG) [English only]

Proper shipping name : XYLENES
UN N° : 1307
IMO-IMDG - Class or division : 3 : Flammable liquid.
IMO-IMDG - Packing group : III
IMO-IMDG - Packing instructions : P001 LP01
IMO-IMDG - Limited quantities :5 L
IMO-IMDG - Marine pollution :No
EMS-Nr : F-E S-D

14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name : XYLENES
UN N° : 1307
IATA - Class or division : 3 : Flammable liquid.
IATA - Packing group : III
IATA - Passenger and Cargo Aircraft : ALLOWED
- Passenger and Cargo - Packing instruction : 355



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14. Transport information (continued)

- Passenger and Cargo - Maximum : 60 L
Quantity/Packing
IATA - Cargo only : ALLOWED
- Cargo only - Packing instruction : 366
- Cargo only - Maximum Quantity/
Packing : 220 L
IATA - Limited Quantities : 10 L
ERG-Nr : 3L

15. Regulatory information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.
REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.
REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.

15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out.

16. Other information

Revision : Revision - See : *
Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative
Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
List of relevant R phrases (heading 3) : R10 : Flammable.
R20/21 : Harmful by inhalation and in contact with skin.
R38 : Irritating to skin.
List of full text of H-statements in section 3 : H226 : Flammable liquid and vapour.
H312 : Harmful in contact with skin.
H315 : Causes skin irritation.
H332 : Harmful if inhaled.
H335 : May cause respiratory irritation.
Further information : None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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