

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830  
SDS Reference Number: PC2400882  
Issue date: 15/07/2024 Version: 1.0

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

#### 1.1. Product identifier

Product form : Substance (UVCB)  
Trade name : XYLENE SOLVENT  
EC-No. : 905-588-0  
REACH registration No. : 01-2119488216-32  
Product code : XYLL  
Type of product : aromatic hydrocarbons  
Formula : C<sub>8</sub>H<sub>10</sub>

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

##### Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use  
Use of the substance/mixture : Manufacture of substance. Distribution. Use as an intermediate. Formulation in materials. Uses in coatings (industrial). Cleaning agent (industrial). Lubricants (industrial). Binder (industrial). Carburetor fuel (industrial). Polymer production (industrial). Polymer processing (industrial). Functional fluids (industrial). Oil fields (industrial). Laboratory use (industrial). Explosives (industrial). Rubber production and processing (industrial). Mining chemicals (industrial).  
Professional use: Uses in coatings (professional). Cleaning agent (professional). Lubricants (professional). Binder (professional). Use in agrochemicals (professional). Carburetor fuel (professional). Polymer processing (professional). Functional fluids (professional). Oil fields (professional). Road construction (professional).  
Laboratory use (professional) Page 287.  
Consumer use: Uses in coatings (consumer). Cleaning agent (consumer). Lubricants (consumer). Use in agrochemicals (consumer). Carburetor fuel (consumer). Functional fluids (consumer).

##### Uses advised against

Restrictions on use : Anything other than the above

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

GADIV PETROCHEMICAL INDUSTRIES LTD  
P.O. Box 4  
3100001 Haifa  
Israel  
T +972-4-8788020, F +972-4-8788018  
[Gadiv@bazan.co.il](mailto:Gadiv@bazan.co.il), [www.bazan.co.il](http://www.bazan.co.il)

#### 1.4. Emergency telephone number

Emergency number : +972-4-8788512; Environment Incident Notification center 24-HOUR: \*5799

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3 H226  
Acute toxicity (dermal), Category 4 H312  
Acute toxicity (inhalation:dust,mist) Category 4 H332  
Skin corrosion/irritation, Category 2 H315  
Specific target organ toxicity – Repeated exposure, Category 2 H373  
Aspiration hazard, Category 1 H304  
Full text of H- and EUH-statements: see section 16

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02      GHS07      GHS08

Signal word (CLP)

: Danger

Hazard statements (CLP)

- : H226 - Flammable liquid and vapour.  
H304 - May be fatal if swallowed and enters airways.  
H312+H332 - Harmful in contact with skin or if inhaled.  
H315 - Causes skin irritation.  
H373 - May cause damage to organs (respiratory system) through prolonged or repeated exposure.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground and bond container and receiving equipment.  
P260 - Do not breathe fumes, gas, mist, spray, vapours.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P302+P352 - If on skin: Wash with plenty of water.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 - Call a POISON CENTRE or doctor if you feel unwell.  
P331 - Do NOT induce vomiting.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, national regulation.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : UVCB  
Name : XYLENE SOLVENT  
EC-No. : 905-588-0

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
XYLENE SOLVENT	EC-No.: 905-588-0 REACH-no: 01-2119488216-32	100	See Section 2.1
xylene	CAS-No.: 1330-20-7 EC-No.: 215-535-7 EC Index-No.: 601-022-00-9	85 – 100	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Acute Tox. 4 (Dermal), H312 (ATE=1700 mg/kg bodyweight) Skin Irrit. 2, H315

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethylbenzene	CAS-No.: 100-41-4 EC-No.: 202-849-4 EC Index-No.: 601-023-00-4 REACH-no: 01-2119489370-35	< 15	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
cumene	CAS-No.: 98-82-8 EC-No.: 202-704-5 EC Index-No.: 601-024-00-X	< 0.1	Flam. Liq. 3, H226 Carc. 1B, H350 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow affected person to breathe fresh air. Allow the victim to rest. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor. Specific measures (see supplemental first aid instruction on this label). Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects	: Suspected of causing cancer (oral, Inhalation). Causes damage to organs (respiratory system).
Symptoms/effects after inhalation	: Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking. Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin. Causes skin irritation.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.

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

Treat symptomatically.

## SECTION 5: Firefighting 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.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture.
Hazardous decomposition products in case of fire	: May release hazardous fumes.

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

#### For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

#### For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

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

### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Avoid breathing fume, gas, mist, spray, vapours.
- Hygiene measures : Wash hands thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.
- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources, sparks, open flames, Ignition sources. Keep container tightly closed.
- Incompatible products : Strong bases. Strong acids. Oxidizing agent.
- Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

### 7.3. Specific end use(s)

No additional information available

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### National occupational exposure and biological limit values

xylene (1330-20-7)	
United Kingdom - Occupational Exposure Limits	
Local name	Xylene
WEL TWA (OEL TWA)	220 mg/m <sup>3</sup> o-,m-,p- or mixed isomers
	50 ppm o-,m-,p- or mixed isomers
WEL STEL (OEL STEL)	441 mg/m <sup>3</sup> o-,m-,p- or mixed isomers
	100 ppm o-,m-,p- or mixed isomers
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
WEL chemical category	Potential for cutaneous absorption
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
United Kingdom - Biological limit values	
Local name	Xylene, o-, m-, p- or mixed isomers
BMGV	650 mmol/mol Creatinine Parameter: methyl hippuric acid - Medium: urine - Sampling time: Post shift
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
ethylbenzene (100-41-4)	
United Kingdom - Occupational Exposure Limits	
Local name	Ethylbenzene
WEL TWA (OEL TWA)	441 mg/m <sup>3</sup>
	100 ppm
WEL STEL (OEL STEL)	552 mg/m <sup>3</sup>
	125 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
WEL chemical category	Potential for cutaneous absorption
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
cumene (98-82-8)	
United Kingdom - Occupational Exposure Limits	
Local name	Cumene
WEL TWA (OEL TWA)	125 mg/m <sup>3</sup>
	25 ppm
WEL STEL (OEL STEL)	250 mg/m <sup>3</sup>
	50 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

### 8.2. Exposure controls

#### Personal protection equipment

##### Personal protective equipment:

Avoid all unnecessary exposure.

##### Personal protective equipment symbol(s):



#### Eye and face protection

##### Eye protection:

In case of repeated or prolonged exposure : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles. Use eye protection according to EN 166, designed to protect liquid splashes.

Chemical goggles or safety glasses

#### Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

In case of repeated or prolonged contact wear gloves. It is a good industrial hygiene practice to minimize skin contact. Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training. Wear protective gloves

##### Other skin protection

##### Materials for protective clothing:

Wear protective clothing. Avoid repeated or prolonged skin contact

#### Respiratory protection

##### Respiratory protection:

Wear respiratory protection. [In case of inadequate ventilation] wear respiratory protection.

#### Environmental exposure controls

##### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Appearance	: Clear liquid.
Odour	: Aromatic.
Odour threshold	: 1 ppm (air)
Melting point	: -47.8 – 13.2 °C
Freezing point	: Not available
Boiling point	: 136 – 145 °C
Flammability	: 1 – 7 % v/v Flammable liquid and vapour.
Explosive properties	: Explosive.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: 27 – 32 °C
Auto-ignition temperature	: > 464 °C
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 0.58 – 0.76 mPa·s at 25°C
Solubility	: Insoluble. Water: 146 – 171 mg/l at 25°C

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: 3.12 – 3.2
Vapour pressure	: 0.8 – 1.2 kPa at 20°C
Vapour pressure at 50°C	: Not available
Density	: 0.865 – 0.875 g/cm³
Relative density	: Not available
Relative vapour density at 20°C	: 3.7
Particle characteristics	: Not applicable

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Strong oxidizing agents. Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

## SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Harmful in contact with skin.
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.

#### xylylene (1330-20-7)

LD50 oral rat	3500 mg/kg (Source: JAPAN_GHS)
LD50 dermal rabbit	1700 mg/kg
LC50 Inhalation - Rat	29.08 mg/l/4h
LC50 Inhalation - Rat [ppm]	5000 ppm/4h
ATE CLP (oral)	3500 mg/kg bodyweight
ATE CLP (dermal)	1700 mg/kg bodyweight
ATE CLP (gases)	5000 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg (Source: JAPAN_GHS)
LD50 oral	3500 mg/kg bodyweight
LD50 dermal rabbit	15400 mg/kg (Source: JAPAN_GHS)
LD50 dermal	15350 mg/kg bodyweight
LC50 Inhalation - Rat	17.4 mg/l/4h
LC50 Inhalation - Rat [ppm]	4000 ppm Source: ECHA, Harmonized classification of EU CLP
LC50 Inhalation - Rat (Dust/Mist)	17200 mg/l
ATE CLP (oral)	3500 mg/kg bodyweight
ATE CLP (dermal)	15400 mg/kg bodyweight
ATE CLP (gases)	1432 ppmv/4h
ATE CLP (vapours)	17.4 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
cumene (98-82-8)	
LD50 oral rat	1400 mg/kg
LD50 dermal rabbit	12300 µl/kg
LC50 Inhalation - Rat [ppm]	> 3577 ppm (Exposure time: 6 h)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
xylene (1330-20-7)	
IARC group	3 - Not classifiable
ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans
cumene (98-82-8)	
IARC group	2B - Possibly carcinogenic to humans
xylene (1330-20-7)	
NOAEL (chronic, oral, animal/male, 2 years)	500 mg/kg bodyweight
NOAEL (chronic, oral, animal/female, 2 years)	500 mg/kg bodyweight
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
cumene (98-82-8)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs (respiratory system) through prolonged or repeated exposure.



# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

ethylbenzene (100-41-4)	
NOAEL (oral, rat, 90 days)	75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
STOT-repeated exposure	May cause damage to organs (hearing organs) through prolonged or repeated exposure.

Aspiration hazard : May be fatal if swallowed and enters airways.

ethylbenzene (100-41-4)	
Viscosity, kinematic	0.738 mm²/s

### 11.2. Information on other hazards

#### Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : No additional information available

#### Other information

Potential Adverse human health effects and symptoms : Harmful in contact with skin,Harmful if inhaled.

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

xylene (1330-20-7)	
LC50 - Fish [1]	13.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	2.661 – 4.093 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
EC50 - Crustacea [1]	3.82 mg/l (Exposure time: 48 h - Species: water flea)
EC50 72h - Algae [1]	2.2 mg/l
LOEC (chronic)	3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (acute)	0.44 mg/l 72 hours
NOEC (chronic)	> 0.96 mg/l 7 days- daphnia
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'

ethylbenzene (100-41-4)	
LC50 - Fish [1]	11 – 18 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
LC50 - Fish [2]	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: EPA)
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h - Algae [1]	4.6 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 72h - Algae [2]	2.6 – 11.3 mg/l (Species: Pseudokirchneriella subcapitata [static])
EC50 96h - Algae [1]	> 438 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 96h - Algae [2]	1.7 – 7.6 mg/l (Species: Pseudokirchneriella subcapitata [static])
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

### cumene (98-82-8)

LC50 - Fish [1]	6.04 – 6.61 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	4.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 - Crustacea [2]	7.9 – 14.1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

### 12.2. Persistence and degradability

#### XYLENE SOLVENT

Persistence and degradability	Not established.
-------------------------------	------------------

#### xylene (1330-20-7)

Persistence and degradability	Rapidly degradable
-------------------------------	--------------------

#### ethylbenzene (100-41-4)

Persistence and degradability	Rapidly degradable
-------------------------------	--------------------

#### cumene (98-82-8)

Persistence and degradability	Rapidly degradable
-------------------------------	--------------------

### 12.3. Bioaccumulative potential

#### XYLENE SOLVENT

Partition coefficient n-octanol/water (Log Pow)	3.12 – 3.2
Bioaccumulative potential	Not established.

#### xylene (1330-20-7)

BCF - Fish [1]	0.6 – 15
Partition coefficient n-octanol/water (Log Pow)	2.77 – 3.15

#### ethylbenzene (100-41-4)

BCF - Fish [1]	(15 dimensionless)
Partition coefficient n-octanol/water (Log Pow)	3.6 (at 20 °C (at pH 7.84))

#### cumene (98-82-8)

BCF - Fish [1]	35.5
Partition coefficient n-octanol/water (Log Pow)	3.55 (at 23 °C)

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : No information available.

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830






### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations	: Dispose of in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, national regulation.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecological waste information	: Avoid release to the environment. Hazardous waste due to toxicity.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
UN 1307	UN 1307	UN 1307	UN 1307	UN 1307
<b>14.2. UN proper shipping name</b>				
XYLENES	XYLENES	Xylenes	XYLENES	XYLENES
<b>14.3. Transport hazard class(es)</b>				
3	3	3	3	3
				
<b>14.4. Packing group</b>				
III	III	III	III	III
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No EmS-No. (Fire): F-E EmS-No. (Spillage): S-D	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

#### 14.6. Special precautions for user

##### Overland transport

Classification code (ADR)	: F1
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T2
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

Orange plates	:	<div><div>30</div><div>1307</div></div>
---------------	---	---

Tunnel restriction code (ADR)	:	D/E
EAC code	:	3Y

### Transport by sea

Special provisions (IMDG)	:	223
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T2
Tank special provisions (IMDG)	:	TP1
Stowage category (IMDG)	:	A
Flash point (IMDG)	:	23°C to 30°C c.c.
Properties and observations (IMDG)	:	Colourless liquids. Flashpoint: 23°C to 30°C c.c. Explosive limits: 1.1% to 7%. Immiscible with water.

### Air transport

PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y344
PCA limited quantity max net quantity (IATA)	:	10L
PCA packing instructions (IATA)	:	355
PCA max net quantity (IATA)	:	60L
CAO packing instructions (IATA)	:	366
CAO max net quantity (IATA)	:	220L
Special provisions (IATA)	:	A3
ERG code (IATA)	:	3L

### Inland waterway transport

Classification code (ADN)	:	F1
Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E1
Carriage permitted (ADN)	:	T
Equipment required (ADN)	:	PP, EX, A
Ventilation (ADN)	:	VE01
Number of blue cones/lights (ADN)	:	0

### Rail transport

Classification code (RID)	:	F1
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T2
Portable tank and bulk container special provisions (RID)	:	TP1
Tank codes for RID tanks (RID)	:	LGBF
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Colis express (express parcels) (RID)	:	CE4
Hazard identification number (RID)	:	30

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

### SECTION 15: Regulatory information

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

##### EU-Regulations

##### REACH Annex XVII (Restriction List)

##### EU restriction list (REACH Annex XVII)

Reference code	Applicable on
3(a)	XYLENE SOLVENT ; xylene ; ethylbenzene ; cumene
3(b)	XYLENE SOLVENT ; xylene ; ethylbenzene ; cumene
3(c)	cumene
40.	XYLENE SOLVENT ; xylene ; ethylbenzene ; cumene

##### REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

##### POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

##### Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

##### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

##### VOC Directive (2004/42)

Organic solvent : Yes

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Sources of Key data : Supplier information. Manufacturer Information. ECHA (European Chemicals Agency). GB CLP. CLP Inventory. 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 (et sequens).

Other information : None.

##### Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4

# XYLENE SOLVENT

## Safety Data Sheet

according to UK REACH/ according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2015/830

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1B	Carcinogenicity, Category 1B
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H350	May cause cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.