



Ortho-xylene

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 2/10/2000 Revision date: 12/12/2022 Version: 11.0

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

1.1. Product identifier

| | |
|-------------------------------|----------------------------------|
| Chemical type | : Substance |
| Trade name | : Ortho-xylene |
| Trade name | : Ortho-xylene |
| EC Index-No. | : 601-022-00-9 |
| EC-No. | : 202-422-2 |
| CAS-No. | : 95-47-6 |
| REACH registration No | : 01-2119485822-30-0012 |
| Product code | : 11010047 |
| IUPAC name | : o-xylene |
| Formula | : C ₈ H ₁₀ |
| Synonyms | : ORTO-XYLEN, |
| Other means of identification | : o-dimethylbenzene |

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

1.2.1. Relevant identified uses

| | |
|----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Main use category | : Industrial use |
| Industrial/Professional use spec | : Manufacture of substance Intermediate Distribution of substance transported isolated intermediate |
| Function or use category | : Intermediates |

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

SLOVNAFT, a.s. a.s.
Vičie hrdlo 1
SK- 824 12 Bratislava
Slovakia
T +421-(0)2/4055-1111 - F +421-(0)2/5859-9759
info@slovnaft.sk - www.slovnaft.sk

1.4. Emergency telephone number

Emergency number : Podnikový dispečing 1: ++0421(0)2/4055 3344

| Country | Organisation/Company | Address | Emergency number | Comment |
|---------|---------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------|---------|
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 Dublin | +353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| Israel | Israel Poison Information Center Rambam Health Care Campus | 6 Ha'Aliya Street 31096 Haifa | +972 4 854 1900 | |
| Malta | Medicines & Poisons Info Office | Mater Dei Hospital MSD 2090 Msida | +356 2545 6508 | |

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| Country | Organisation/Company | Address | Emergency number | Comment |
|----------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service (Belfast Centre) Royal Victoria Hospital | Grosvenor Road BT12 6BA Belfast | 0344 892 0111 | Only for healthcare professionals |
| United Kingdom | National Poisons Information Service (Birmingham Centre) City Hospital | Dudley Road B18 7QH Birmingham | 0344 892 0111 | Only for healthcare professionals |
| United Kingdom | National Poisons Information Service (Cardiff Centre) University Hospital Llandough | Penlan Road CF64 2XX Cardiff | 0344 892 0111 | Only for healthcare professionals |
| United Kingdom | National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh | Little France Crescent EH16 4SA Edinburgh | 0344 892 0111 | Only for healthcare professionals |
| United Kingdom | Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road SE14 5ER London | +44 20 7188 7188 | |
| United Kingdom | National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre | 16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB Newcastle | 0344 892 0111 | Only for healthcare professionals |

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 (inhal.), Category 4 | H332 |
| Skin corrosion/irritation, Category 2 | H315 |
| Serious eye damage/eye irritation, Category 2 | H319 |
| Aspiration hazard, Category 1 | H304 |
| Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation | H335 |

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

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)



Signal word (CLP)

: Danger

Hazard statements (CLP)

: H226 - Flammable liquid and vapour.
H312 - Harmful in contact with skin.
H332 - Harmful if inhaled.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H304 - May be fatal if swallowed and enters airways.
H335 - May cause respiratory irritation.

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Precautionary statements (CLP) : P210 - Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P243 - Take precautionary measures against static discharge.
P280 - Wear protective gloves, protective clothing, face protection, eye protection.
P261 - Avoid breathing dust, fume, gas, mist, spray, vapours.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P301+P310 - If swallowed, immediately call a doctor.
P331 - Do NOT induce vomiting.

2.3. Other hazards

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

Endocrine disruptors: not yet evaluated

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent
Name : SN / 202-422-2 / o-xylene
CAS-No. : 95-47-6
EC-No. : 202-422-2
EC Index-No. : 601-022-00-9

| Name | Product identifier | % |
|---------------------------|----------------------------------------------------------------------|-------------|
| o-Xylene (Constituent) | CAS-No.: 95-47-6 EC-No.: 202-422-2 EC Index-No.: 601-022-00-9 | 98.5 – 99.6 |
| Styrene (Impurity) | CAS-No.: 100-42-5 EC-No.: 202-851-5 EC Index-No.: 601-026-00-0 | 0.1 – 0.29 |

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Before attempting to rescue casualties, isolate area from all potential sources of ignition including disconnecting electrical supply. Ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry into confined spaces. Drench contaminated clothing with water before removing to avoid risk of sparks from static electricity.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If casualty is unconscious and: Not breathing. Ensure that there is no obstruction to breathing and give artificial respiration by trained personnel. If necessary, give external cardiac massage and obtain medical advice. Breathing. Place in the recovery position. Administer oxygen if necessary. Obtain medical attention if casualty has an altered state of consciousness or if symptoms do not resolve.

First-aid measures after skin contact : Remove contaminated clothing, contaminated footwear and dispose of safely. Wash affected area with soap and water. Seek medical attention if skin irritation, swelling or redness develops and persists. Do not wait for symptoms to develop. For minor thermal burns, cool the burn. Hold the burned area under cold running water for at least five minutes, or until the pain subsides. Body hypothermia must be avoided.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If irritation, blurred vision or swelling occurs and persists, obtain medical advice from a specialist.

First-aid measures after ingestion : in case of ingestion, always assume that aspiration has occurred. The casualty should be sent immediately to hospital. Do not wait for symptoms to develop. Do not induce vomiting as there is high risk of aspiration. Do not give anything by mouth to an unconscious person.

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

- Symptoms/effects after inhalation : Inhalation of vapours may cause headache, nausea, vomiting and an altered state of consciousness.
- Symptoms/effects after skin contact : Symptoms: reddening, irritation.
- Symptoms/effects after eye contact : Slight eye irritation.
- Symptoms/effects after ingestion : Ingestion (swallowing) of this material may result in an altered state of consciousness and loss of coordination.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam (trained personnel only). Water fog (trained personnel only). Dry chemical powder. Carbon dioxide. Other inert gases (subject to regulations). Sand or earth.
- Unsuitable extinguishing media : Do not use direct water jets on the burning product. they could cause splattering and spread the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Protection during firefighting : In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Other information : Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates, gases, including carbon monoxide. unidentified organic and inorganic compounds.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Small spillages: normal antistatic working clothes are usually adequate. Large spillages: full body suit of chemically resistant and antistatic material. Work gloves providing adequate chemical resistance, specifically to aromatic hydrocarbons. Work helmet. Antistatic non-skid safety shoes or boots. Goggles and /or face shield, if splashes or contact with eyes is possible or anticipated. Respiratory protection: a half or full-face respirator with filter(s) for organic vapours/H₂S, or a Self-contained Breathing Apparatus (SCBA) can be used according to the extent of spill and predictable amount of exposure. If the situation cannot be completely assessed, or if an oxygen deficiency is possible, only SCBA's should be used.
- Emergency procedures : Stop or contain leak at the source, if safe to do so. Avoid direct contact with released material. Stay upwind. In case of large spillages, alert occupants in downwind areas. Keep non-involved personnel away from the area of spillage. Alert emergency personnel. Except in case of small spillages. The feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency. Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fires, flares). If required, notify relevant authorities according to all applicable regulations. If necessary dike the product with dry earth, sand or similar non-combustible materials. Large spillages may be cautiously covered with foam, if available, to limit vapour cloud formation. Do not use direct jets. When inside buildings or confined spaces, ensure adequate ventilation.

6.1.2. For emergency responders

No additional information available

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6.2. Environmental precautions

Absorb spilled product with suitable non-combustible materials. Prevent product from entering sewers, rivers or other bodies of water, or underground spaces (tunnels, cellars, etc.). Transfer collected product and other contaminated materials to suitable containers for recovery or safe disposal. In case of soil contamination, remove contaminated soil and treat in accordance with local regulations. In case of small spillages in closed waters, contain product with floating barriers or other equipment. Collect spilled product by absorbing with specific floating absorbents. If possible, large spillages in open waters should be contained with floating barriers or other mechanical means. Contain spillage – ventilate area and allow to evaporate. The use of dispersants should be advised by an expert, and, if required, approved by local authorities.

6.3. Methods and material for containment and cleaning up

For containment : Recommended measures are based on the most likely spillage scenarios for this material; however, local conditions (wind, air temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions. For this reason, local experts should be consulted when necessary. Local regulations may also prescribe or limit actions to be taken.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Risk of explosive mixtures of vapour and air. Ensure that all relevant regulations regarding explosive atmospheres, and handling and storage facilities of flammable products, are followed. Keep away from heat/sparks/open flames/hot surfaces. Do not eat, drink or smoke when using this product. Avoid contact with the hot product. Avoid release to the environment. Take precautionary measures against static electricity. Ground/bond containers, tanks and transfer/receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. The vapour is heavier than air. Beware of accumulation in pits and confined spaces. Do not use compressed air for filling, discharging, or handling operations. Avoid contact with skin and eyes. Do not ingest. Do not breathe vapours. Use adequate personal protective equipment as required. For more information regarding protective equipment and operational conditions see Exposure scenarios. Ensure that proper housekeeping measures are in place. Keep away from food and beverages. Wash the hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Before entering storage tanks and commencing any operation in a confined area, check the atmosphere for oxygen content and flammability. Light hydrocarbon vapours can build up in the headspace of containers. These can cause flammability / explosion hazards. Open slowly in order to control possible pressure release. Empty containers may contain combustible product residues. Do not weld, solder, drill, cut or incinerate empty containers, unless they have been properly cleaned.

Storage conditions : Cleaning, inspection and maintenance of internal structure of storage tanks must be done only by properly equipped and qualified personnel as defined by national, local or company regulations.

Information on mixed storage : KEEP SUBSTANCE AWAY FROM: (strong) acids. (strong) bases. halogens. oxidizing agents. heat sources. peroxides.

Storage area : Use and store only outdoors or in a well-ventilated area. Storage area layout, tank design, equipment and operating procedures must comply with the relevant European, national or local legislation. Storage installations should be designed with adequate bunds in case of leaks or spills. Store separately from oxidising agents.

Special rules on packaging : If the product is supplied in containers: Keep only in the original container or in a suitable container for this kind of product. Keep containers tightly closed and properly labelled. Protect from the sunlight.

Packaging materials : Recommended materials: For containers, or container linings use materials specifically approved for use with this product. some synthetic materials may be unsuitable for containers or container linings depending on the material specification and intended use. Compatibility should be checked with the manufacturer.

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7.3. Specific end use(s)

This substance is handled under Strictly Controlled Conditions in accordance with REACH regulation Article 17(3) for on-site isolated intermediates. Site documentation to support safe handling arrangements including the selection of engineering, administrative and personal protective equipment controls in accordance with risk-based management systems is available at each manufacturing site. Written confirmation of application of Strictly Controlled Conditions has been received from every affected Distributor and Downstream Processor/User of the Registrant's intermediate.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| Ortho-xylene (95-47-6) | |
|-----------------------------------------------------------|--------------------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| IOEL TWA | 221 mg/m ³ o-xylene |
| IOEL TWA [ppm] | 50 ppm o-xylene |
| IOEL STEL | 442 mg/m ³ o-xylene |
| IOEL STEL [ppm] | 100 ppm o-xylene |
| Slovakia - Occupational Exposure Limits | |
| NPHV (OEL TWA) [1] | 221 mg/m ³ |
| NPHV (OEL TWA) [2] | 50 ppm |
| NPHV (OEL C) | 442 mg/m ³ |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

| Ortho-xylene (95-47-6) | |
|------------------------------------------|-----------------------------|
| DNEL/DMEL (Workers) | |
| Acute - systemic effects, dermal | ≤ 3182 mg/kg bodyweight/day |
| Acute - systemic effects, inhalation | 442 mg/m ³ |
| Long-term - systemic effects, inhalation | 221 mg/m ³ |
| DNEL/DMEL (General population) | |
| Acute - systemic effects, inhalation | 260 mg/m ³ |
| Long-term - systemic effects, oral | 12.5 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 65.3 mg/m ³ |
| Long-term - systemic effects, dermal | 1872 mg/kg bodyweight/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 0.25 mg/l |
| PNEC aqua (marine water) | 0.25 mg/l |
| PNEC (Soil) | |
| PNEC soil | 2.41 mg/kg dwt |

8.1.5. Control banding

No additional information available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Protective goggles. Protective clothing. Gas mask with filter type A.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

If splashing is likely, full head and face protection (protective shield and/or safety goggles) should be used. If contact is likely, a protection (protective shield and/or safety goggles) should be used.

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable coveralls to prevent exposure to the skin

Hand protection:

Wear chemically resistant gloves (tested to EN374) in combination with specific activity training. Gloves must be periodically inspected and changed in case of wear, perforations or contaminations.

8.2.2.3. Respiratory protection

Respiratory protection:

to avoid respiratory tract irritation inhalation exposure should be kept to a minimum. If exposure levels cannot be determined or estimated with adequate confidence, or an oxygen deficiency is possible, only SCBA's should be used. If necessary, approved respiratory protection equipment shall be used when handling hot product in confined spaces: enclosed face mask with cartridge/filter type "A" or self-contained breathing apparatus (SCBA).

8.2.2.4. Thermal hazards

Thermal hazard protection:

None in normal conditions.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Store finished products in closed containers (e.g. bulk tanks, drums, cans). Store all VOC-containing wastes in closed, secure containers (e.g. bulk tanks, intermediate bulk containers, drums). Incinerate, absorb, or adsorb vapours stripped from solution whenever necessary. Use vapour recovery units when necessary. Carefully handle the substance to minimise releases.

Consumer exposure controls:

Substance registered as Isolated intermediate under SCC). This substance is handled under Strictly Controlled Conditions in accordance with REACH regulation Article 17(3) for on-site isolated intermediates. In case the substance is transported to other sites for further processing, the substance should be handled at these sites under the Strictly Controlled Conditions as specified in REACH regulation Article 18(4). Site documentation to support safe handling arrangements including the selection of engineering, administrative and personal protective equipment controls in accordance with risk-based management systems is available at each manufacturing site. Written confirmation of application of Strictly Controlled Conditions has been received from every affected Distributor and Downstream Processor/User of the Registrant's intermediate.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|---------------------|
| Physical state | : Liquid |
| Molecular mass | : 106.169 g/mol |
| Colour | : Colourless. |
| Odour | : aromatic odour. |
| Odour threshold | : No data available |
| pH | : No data available |

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| | |
|-------------------------------------------------|---------------------------------------|
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : - 25.18 °C |
| Freezing point | : No data available |
| Boiling point | : 144.41 °C |
| Flash point | : 23 – 32 °C |
| Auto-ignition temperature | : 464 °C |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : 650 Pa |
| Relative vapour density at 20°C | : No data available |
| Relative density | : No data available |
| Density | : 876 – 880 kg/m ³ at 20°C |
| Solubility | : Water: 0.178 |
| Partition coefficient n-octanol/water (Log Pow) | : 3.12 |
| Viscosity, kinematic | : 870000 mm ² /s |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : 1 – 7 vol % |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

This substance is stable under all ordinary circumstances at ambient temperatures, and if released into the environment.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Contact with strong oxidizers (peroxides, chromates, etc.) may cause a fire hazard.

10.4. Conditions to avoid

They may be ignited by heat, sparks, static electricity or flames.

10.5. Incompatible materials

A mixture with nitrates or other strong oxidisers (e.g. chlorates, perchlorates, liquid oxygen) may create an explosive mass.

10.6. Hazardous decomposition products

No decomposition if stored normally.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

| | |
|-----------------------------|---------------------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Harmful in contact with skin. |
| Acute toxicity (inhalation) | : Harmful if inhaled. |

| Ortho-xylene (95-47-6) | |
|-----------------------------|-------------------------|
| LD50 oral rat | 3523 – 4000 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| LC50 Inhalation - Rat | 29091 mg/m ³ |
| LC50 Inhalation - Rat [ppm] | 6350 ppm/4h |

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| | |
|-----------------------------------|-------------------------------------------------|
| Skin corrosion/irritation | : Causes skin irritation. |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : May be fatal if swallowed and enters airways. |

Ortho-xylene (95-47-6)

| | |
|----------------------|---------------------------|
| Viscosity, kinematic | 870000 mm ² /s |
|----------------------|---------------------------|

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 |

Ortho-xylene (95-47-6)

| | |
|------------------------------------|------------------|
| LC50 - Fish [1] | 2.6 – 11.23 mg/l |
| LC50 - Fish [2] | > 1.3 mg/l |
| LC50 - Other aquatic organisms [1] | 2.2 – 4.9 mg/l |
| EC50 - Crustacea [1] | 1 – 4.7 mg/l |
| EC50 - Crustacea [2] | 0.96 mg/l |

12.2. Persistence and degradability

Ortho-xylene (95-47-6)

| | |
|---------------------------------|----------------------------------|
| Biochemical oxygen demand (BOD) | 57 g O ₂ /g substance |
|---------------------------------|----------------------------------|

12.3. Bioaccumulative potential

Ortho-xylene (95-47-6)

| | |
|-------------------------------------------------|--------------------------------------------------------------------------------------|
| BCF - Other aquatic organisms [1] | 6 – 21 Bioconcentration o-xylene at the water organism is low by measured values BCF |
| Partition coefficient n-octanol/water (Log Pow) | 3.12 |

12.4. Mobility in soil

Ortho-xylene (95-47-6)

| | |
|------------------|---------------------------------------------------------------------------------------------------------------------------|
| Mobility in soil | 48 – 129 o-xylene has by experimental determined values K _{oc} (coefficient soil sorbtion) high mobility in soil |
|------------------|---------------------------------------------------------------------------------------------------------------------------|

12.5. Results of PBT and vPvB assessment

Ortho-xylene (95-47-6)

| | |
|---------------------------|----------------------------------------|
| Results of PBT assessment | O-xylene is not considered PBT or vPvB |
|---------------------------|----------------------------------------|

12.6. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional legislation (waste) | : DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives. |
| Waste treatment methods | : Contain and dispose of waste according to local regulations. External recovery and recycling of waste should comply with applicable local and/or national regulations. External treatment and disposal of waste should comply with applicable local and/or national regulations. Where possible (e.g. in the absence of relevant contamination), recycling of used substance is feasible and recommended. |
| Sewage disposal recommendations | : Do not empty into drains; dispose of this material and its container in a safe way. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. |
| Waste disposal recommendations | : Clear up spills immediately and dispose of waste safely. Dispose of waste or used sacks/containers according to local regulations. |
| Additional information | : (*) Hazardous waste according to Directive 91/689/EEC. European Waste Catalogue code(s) (Decision 2001/118/CE): The final user has the responsibility for the attribution of the most suitable code, according to the actual use(s) of the material, contaminations or alterations. |
| Ecology - waste materials | : Avoid any discharge of the product into waste water. Hazardous waste. Disposal in high-temperature incinerator (> 1200 °C). |
| EWC (EURAL) code | : 07 06 04* - other organic solvents, washing liquids and mother liquors 16 03 05* - organic wastes containing dangerous substances 15 01 10* - packaging containing residues of or contaminated by dangerous substances |

SECTION 14: Transport information

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

| ADR | RID | ADN | IMDG | IATA |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------|------------------------------------|
| 14.1. UN number | | | | |
| 1307 | 1307 | 1307 | 1307 | 1307 |
| 14.2. UN proper shipping name | | | | |
| XYLENES (Ortho) | (Ortho) | XYLENES (Ortho) | (Ortho) | (Ortho) |
| 14.3. Transport hazard class(es) | | | | |
| 3  | 3  | 3 | 3 | 3 Not applicable |
| 14.4. Packing group | | | | |
| III | | III | III | |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No |
| 14.6. Special precautions for user | | | | |
| No supplementary information available | | | | |

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Not listed on REACH Annex XVII

Not listed on the REACH Candidate List

Not listed on REACH Annex XIV (Authorisation List)

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

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

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

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

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)

15.1.2. National regulations

Vyhl. MŽP SR č. 371/2015 Z.z. ktoru sa vykonávajú niektoré ustanovenia zákona o odpadoch,

Vyhl. MŽP SR č. 365/2015 Z.z. ktorou sa ustanovuje katalóg odpadov, v platnom znení,

Zákon NR SR č. 79/2015 Z.z. o odpadoch a o zmene a doplnení niektorých zákonov, v platnom znení

Zákon NR SR č. 67/2010 Z.z. o podmienkach uvedenia chemických látok a chemických zmesí na trh a o zmene a doplnení niektorých zákonov (Chemický zákon)

NV SR č. 355/2006 Z.z. o ochrane zamestnancov pred rizikami súvisiacimi s expozíciou chemickým faktorom pri práci, v platnom znení

NV SR č. 356/2006 Z.z. a č. 301/2007 Z.z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci, v platnom znení

| France | |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Occupational diseases | |
| Code | Description |
| RG 66 | Occupational rhinitis and asthma |
| RG 84 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide |

Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV; ID No. 206)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed

SZW-lijst van reprotoxische stoffen –

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

Denmark

Class for fire hazard : Class II-1

Store unit : 5 liter

Classification remarks : R10 <H226;H312;H332;H315;H319;H304;H335>; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

Switzerland

Storage class (LK) : LK 3 - Flammable liquids

15.2. Chemical safety assessment

No additional information available

Ortho-xylene

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 16: Other information

Data sources : LOA registration dossier.
Training advice : Before handling, storing or using the present substance for the first time, employees must be informed.

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 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 3 | Flammable liquids, Category 3 |
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

SDS EU (REACH Annex II) MOL

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.