

SECTION 1 Identification

1.1. Product identifier

Product form : Substance
 Trade name : Para-Xylene
 Chemical name : p-xylene
 CAS-No. : 106-42-3
 Product code : P099
 Formula : C8H10

1.2. Other means of identification

Synonyms : Benzene, 1,4-dimethyl- / 1,4-Dimethylbenzene / p-Dimethylbenzene / 1,4-Xylene / Xylene, p- / Xylene, p-isomer / Benzene, p-dimethyl- / Xylene, para- / 4-Xylene / para-Xylene / p-Xylo
 EC Index No. (Report) : 601-022-00-9
 EC-No. : 203-396-5

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Raw material for synthesis of terephthalic Acid (TPA) and Polyethylene terephthalate (PET)
 Restrictions on use : No additional information available

1.4. Supplier's details

Braskem America, Inc.
 1735 Market Street
 Philadelphia, PA 19103-7583
 Tel: (800) 396 - 5251
 productsafety@braskem.com

1.5. Emergency phone number

Emergency number : CHEMTREC: +1 800 424 9300 (NORTH AMERICA)
 CHEMTREC International: +1 1-703-527-3887

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquid, Category 3	Flammable liquid and vapor.
Acute toxicity (dermal), Category 4	Harmful in contact with skin.
Acute toxicity (inhalation), Category 4	Harmful if inhaled.
Skin corrosion/irritation, Category 2	Causes skin irritation.
Serious eye damage/eye irritation, Category 2	Causes serious eye irritation.
Reproductive toxicity, Category 2	Suspected of damaging fertility or the unborn child.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	May cause respiratory irritation.
Aspiration hazard, Category 1	May be fatal if swallowed and enters airways.

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

Flammable liquid and vapor
 May be fatal if swallowed and enters airways

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Precautionary statements (GHS US)

Harmful in contact with skin or if inhaled
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
Suspected of damaging fertility or the unborn child

: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical, lighting, ventilating equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing mist, spray, vapors.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves.
If swallowed: Immediately call a POISON CENTER.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
Call a doctor, a POISON CENTER if you feel unwell.
Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use carbon dioxide (CO₂), dry extinguishing powder, alcohol resistant foam, Water spray to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container to comply with applicable local, national and international regulation..

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

Other hazards which do not result in classification : Toxic to aquatic life.

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Name : p-Xylene
CAS-No. : 106-42-3

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Name	Product identifier	%	GHS US classification
p-xylene	CAS-No.: 106-42-3	≥99.7	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304
Toluene (Impurity)	CAS-No.: 108-88-3	≤ 0.1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304

3.2. Mixtures

Not applicable

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: Call a physician immediately. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	: Rinse immediately with plenty of water (for at least 15 minutes). For even minor contact, immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water. Immediately get medical attention. Discard contaminated clothing.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects	: Suspected of damaging fertility or the unborn child.
Symptoms/effects after inhalation	: Harmful if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation. Harmful in contact with skin.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be harmful if swallowed. May be fatal if swallowed and enters airways. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Note to physician : : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: carbon dioxide (CO ₂), dry chemical powder, foam. Water spray.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.

5.2. Specific hazards arising from the chemical

Fire hazard	: Flammable liquid and vapor. Vapors may cause fire/explosion if source of ignition is present. Heavier than air, vapors may travel long distances along ground, ignite and flash back to source. Under fire conditions closed containers may rupture or explode. On combustion, forms: carbon oxides (CO and CO ₂). Formaldehyde.
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- Explosion hazard : Vapors may form explosive mixtures with air.
- Hazardous decomposition products in case of fire : Thermal decomposition can lead to the release of irritating gases and vapors. On combustion, forms: carbon oxides (CO and CO₂). Formaldehyde.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Do not approach fire except upwind and only with proper skin and respiratory protection (supplied air only). Cool closed containers exposed to fire with water spray.
- Protection during firefighting : Extra personal protection: complete protective clothing including self-contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Evacuate unnecessary personnel. Ventilate area. Avoid any direct contact with the product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Avoid contact with spilled material. Spilled material may present a slipping hazard.

For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Evacuate unnecessary personnel. Ventilate spillage area. Avoid contact with skin, eyes and clothing. Avoid breathing mist, spray, vapors. No open flames, no sparks, and no smoking. Stop leak if safe to do so.

For emergency responders

- Protective equipment : Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Ventilate spillage area. Stop leak if safe to do so. Evacuate unnecessary personnel. Remove all sources of ignition. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Prevent liquid from entering sewers, watercourses, underground or low areas. Notify authorities if liquid enters sewers or public waters.
- Environmental precautions : Avoid discharge to the environment. Do not flush down sewers. Do not allow to enter into surface water or drains. Do not allow run-off from fire fighting to enter drains or water courses. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

6.2. Methods and materials for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Ventilate affected area. Eliminate all ignition sources if safe to do so. Use non-sparking tools. Collect spillage.
- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Prevent spread over a wide area (e.g. by containment or oil barriers). Collect spills and put it into appropriated container. Keep the recovered product for subsequent recycling. Store away from other materials. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Notify authorities if product enters sewers or public waters.
- Other information : Bioremediation of contaminated water bodies using granulated activated charcoal has been demonstrated to be the best method of removal from contaminated water bodies. Recovery and remediation of polluted soil and water can be accomplished through the Fenton reaction. Dispose in a safe manner in accordance with local/national regulations.

Refer to sections 8 and 13.

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SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Provide good ventilation in process area to prevent formation of flammable vapor. Use only outdoors or in a well-ventilated area. Do not get in eyes, on skin, or on clothing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing vapors, spray, mist. Wear personal protective equipment. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety procedures.
Additional hazards when processed	: Flammable vapors may accumulate in the container. Vapors may travel long distances along ground before igniting/flashing back to vapor source. Handle empty containers with care because residual vapors are flammable.

7.2. Conditions for safe storage, including incompatibilities

Technical measures	: Ground/bond container and receiving equipment. Use only non-sparking tools. Use only explosion-proof equipment. Keep away from sources of ignition - No smoking.
Storage conditions	: Keep only in the original container in a cool well ventilated place. Keep container tightly closed. Keep container closed when not in use. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep stored the least quantity possible. Store in dry, cool, well-ventilated area. Store locked up.
Incompatible materials	: Oxidizing agents. Strong acid. Halogenated compounds.
Packaging materials	: stainless steel. Carbon steel. Polyvinylchloride (PVC).

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Para-Xylene (106-42-3)	
USA - ACGIH - Occupational Exposure Limits	
Local name	p-Xylene (1,4-Dimethylbenzene)
ACGIH® TLV® TWA	20 ppm
Remark (ACGIH®)	TLV® Basis: Eye & URT irr; CNS impair; Hematologic eff; Ototoxicity. Notations: OTO (Ototoxicant); A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH® chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2025
USA - ACGIH - Biological Exposure Indices	
Local name	p-Xylene (1,4-Dimethylbenzene)
BEI	0.3 g/g Kreatinin Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift
Remark	Commercial or technical grade xylenes consist of mixtures of isomers and significant amounts of ethyl benzene as indicated under "Properties." Because ethyl benzene is known to reduce the metabolism of xylenes to methylhippuric acids, the BEI applies to technical or commercial grades of xylenes only. The determinants refer to the total of all isomers of methylhippuric acids
Regulatory reference	ACGIH 2025

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Para-Xylene (106-42-3)	
USA - IDLH - Occupational Exposure Limits	
IDLH	900 ppm
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL TWA	435 mg/m ³
	100 ppm
NIOSH REL STEL	150 ppm
Toluene (108-88-3)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Toluene
ACGIH® TLV® TWA	188 mg/m ³
	20 ppm
Remark (ACGIH®)	TLV® Basis: CNS, Hearing & Visual impair; Female repro system eff; Pregnancy loss. Notations: OTO (Ototoxicant); A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH® chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2025
USA - ACGIH - Biological Exposure Indices	
Local name	Toluene
BEI	0.3 mg/g Kreatinin Parameter: o-Cresol - Medium: urine - Sampling time: End of shift - Notations: B 0.02 mg/l Parameter: Toluene - Medium: blood - Sampling time: Prior to last shift of workweek 0.03 mg/l Parameter: Toluene - Medium: urine - Sampling time: End of shift
Regulatory reference	ACGIH 2025
USA - OSHA - Occupational Exposure Limits	
Local name	Toluene
OSHA PEL TWA	200 ppm
OSHA PEL STEL	300 ppm
OSHA PEL C	300 ppm
Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift	500 ppm 10 mins.
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-2
USA - Cal/OSHA - Occupational Exposure Limits	
Local name	Toluene; toluol
Cal/OSHA PEL (OEL TWA)	37 mg/m ³
	10 ppm
Cal/OSHA STEL	560 mg/m ³
	150 ppm
Cal/OSHA C	500 ppm
Remark (Cal/OSHA)	S - Skin notation and Protecting Clothing

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Toluene (108-88-3)	
Regulatory reference	California Division of Occupational Safety and Health (Cal/OSHA) - Permissible Exposure Limit for Chemical Contaminants (Table AC-1)
USA - IDLH - Occupational Exposure Limits	
IDLH	500 ppm
USA - NIOSH - Occupational Exposure Limits	
Local name	Toluene
NIOSH REL TWA	375 mg/m ³
	100 ppm
NIOSH REL 10h TWA	100 ppm
NIOSH REL STEL	560 mg/m ³
	150 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-2 (NIOSH Pocket Guide to Chemical Hazards (NPG))

8.2. Appropriate engineering controls

Appropriate engineering controls	: Provide local exhaust or general room ventilation to minimize vapor concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Use spark-/explosionproof appliances and lighting system.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:
Wear suitable gloves resistant to chemical penetration. VITON gloves. protective gloves: neoprene gloves, PVA. ISO 374-1. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer
Eye protection:
Chemical goggles or safety glasses. ISO 16321-1
Skin and body protection:
Wear suitable coveralls to prevent exposure to the skin. Boots made of PVA
Respiratory protection:
Half/ full mask with filter for organic vapors. If there is any possibility of uncontrolled emissions or entering in instances where the exposure levels are unknown use a full-facepiece positive-pressure, air-supplied respirator

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Color	: Colorless
Odor	: Aromatic
Odor threshold	: 0.08 – 40 mm Hg
pH	: No data available
Melting point	: 13.2 °C
Freezing point	: No data available
Boiling point	: 138.2 °C (1.013 hPa; ECHA)

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Flash point	: 25 °C (77 °F; Closed cup)
Relative evaporation rate (ether=1)	: 9.9
Flammability (solid, gas)	: No data available
Vapor pressure	: 0.9 kPa (20 °C)
Relative vapor density at 20°C	: 3.7
Relative density	: 0.86 g/cm ³
Density	: 0.86104 (20 °C/4°C)
Solubility	: Water: 156 mg/l
Partition coefficient n-octanol/water (Log Pow)	: 3.15 (20 °C) (pH 7) (ECHA)
Auto-ignition temperature	: 528 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: 0.884 mm ² /s (25 °C)
Explosion limits	: 1.1 – 7 vol %
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor. Heavier than air, vapors may travel long distances along ground, ignite and flash back to source.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

oxidizing agents. Strong acids. Halogenated compounds.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Carbon oxides (CO, CO₂). Formaldehyde.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Harmful in contact with skin.
Acute toxicity (inhalation)	: Harmful if inhaled. Inhalation:dust,mist: Not classified (Based on available data, the classification criteria are not met).

Para-Xylene (106-42-3)	
LD50 oral rat	4029 mg/kg (Source: JAPAN_GHS)
LD50 dermal rat	12126 mg/kg
LD50 dermal rabbit	12126 mg/kg (Source: ECHA_API)
LC50 Inhalation - Rat [ppm]	4740 ppm/4h
ATE US (oral)	4029 mg/kg body weight

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Para-Xylene (106-42-3)	
ATE US (dermal)	1003.009 mg/kg body weight
ATE US (gases)	4740 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Toluene (108-88-3)	
LD50 oral rat	5000 mg/kg (Source: NLM_HSDB)
LD50 dermal rabbit	12000 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation - Rat (Dust/Mist)	28100 mg/l
LC50 Inhalation - Rat (Vapors)	12.5 mg/l/4h
ATE US (oral)	5580 mg/kg body weight
ATE US (dust, mist)	28100 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Para-Xylene (106-42-3)	
IARC group	3 - Not classifiable

Toluene (108-88-3)	
IARC group	3 - Not classifiable

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : May cause respiratory irritation.

Toluene (108-88-3)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Toluene (108-88-3)	
LOAEL (oral, rat, 90 days)	1250 mg/kg body weight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	625 mg/kg body weight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, vapor, 90 days)	2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity: 90-Day Study)
STOT-repeated exposure	May cause damage to organs (central nervous system, hearing organs) through prolonged or repeated exposure (Inhalation).

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

Para-Xylene (106-42-3)	
Viscosity, kinematic	0.884 mm ² /s (25 °C)

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Toluene (108-88-3)	
Viscosity, kinematic	0.643 mm ² /s
Symptoms/effects	: Suspected of damaging fertility or the unborn child.
Symptoms/effects after inhalation	: Harmful if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes skin irritation. Harmful in contact with skin.
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be harmful if swallowed. May be fatal if swallowed and enters airways. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	: Not a OSHA HazCom 2024 hazard endpoint
Hazardous to the aquatic environment, long-term (chronic)	: Not a OSHA HazCom 2024 hazard endpoint

12.2. Persistence and degradability

Para-Xylene (106-42-3)	
Persistence and degradability	Readily biodegradable. not persistent.
BOD (% of ThOD)	50 % ThOD (13 d)

Toluene (108-88-3)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

Para-Xylene (106-42-3)	
BCF - Fish [1]	(2.2 dimensionless)
Partition coefficient n-octanol/water (Log Pow)	3.15 (20 °C) (pH 7) (ECHA)
Bioaccumulative potential	not bioaccumulable.

Toluene (108-88-3)	
Partition coefficient n-octanol/water (Log Pow)	2.73 (at 20 °C (at pH 7)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not a OSHA HazCom 2024 hazard endpoint
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Regional legislation (waste)	: Dispose of contents/container to comply with applicable local, national and international regulations. Consult the appropriate authorities about waste disposal.
Sewage disposal recommendations	: The adequately treated and bioremediated effluents may be discarded into water bodies.
Product/Packaging disposal recommendations	: Dispose of this material and its container at hazardous or special waste collection point.
Additional information	: Handle empty containers with care because residual vapors are flammable.
Ecological waste information	: Avoid release to the environment.





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SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
UN1307	UN1307	1307	1307
14.2. Proper Shipping Name			
Xylenes	XYLENES	XYLENES	Xylenes
14.3. Transport hazard class(es)			
3	3	3	3
			
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available			

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT	
UN-No. (DOT)	: UN1307
DOT Special Provisions (49 CFR 172.102)	: B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

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TDG

UN-No. (TDG) : UN1307
Explosive Limit and Limited Quantity Index : 5 L
Excepted quantities (TDG) : E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 60 L
Emergency Response Guide (ERG) Number : 130

IMDG

Special provision (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
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage) : S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS
Stowage category (IMDG) : A
Flash point (IMDG) : 23°C to 30°C c.c.
Properties and observations (IMDG) : Colorless liquids. Flashpoint: 23°C to 30°C c.c. Explosive limits: 1.1% to 7%. Immiscible with water.

IATA

Special provision (IATA) : A3
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
ERG code (IATA) : 3L

SECTION 15 Regulatory information

15.1. Federal regulations

Para-Xylene (106-42-3)	
CERCLA RQ	100 lb

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
Toluene	108-88-3	Present	Active	

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Toluene	CAS-No. 108-88-3	≤ 0.1%
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Toluene (108-88-3)	
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	1000 lb

Para-Xylene

Safety Data Sheet

according to US HazCom 2024

15.2. International regulations

No additional information available

15.3. State regulations



WARNING:

This product can expose you to Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

according to US HazCom 2024

Revision date	: 27 November 2025
Issue date	: 26 May 2015
Other information	: None.

Safety Data Sheet (SDS), USA - Braskem

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. It warns that the handling of any chemical substance requires the previous knowledge of its hazards for the user. It is up to the user of the product company providing this SDS to and promote the training of its employees about possible risks come upon of the product. The information contained herein is not absolute, but only general information on the use of the chemical and indication of safety and security measures.