

SECTION 1: Identification of Product and Company

1.1. Product identifier

Trade name	: Mixed Xylenes
Chemical name	: Reaction Mass of Ethylbenzene and Xylenes
Product code	: P102C, P812, P812B, P812C, P102
Recommended use	: Intermediate, Formulation of preparations, coatings, Use in Cleaning Agents, Use in Oil and Gas field drilling and production operations, Manufacture of rubber products, Fuels, Use as laboratory reagent, Use in Agrochemicals

1.2. Company identification

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Emergency number	: CHEMTREC Brazil (Rio De Janeiro): +(55)-2139581449 Portuguese CHEMTREC Brazil (São Paulo): +(55)-1143491359 Portuguese CHEMTREC Brazil: 0800 892 0479 Portuguese CHEMTREC International: +1 703 527 3887
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GHS BR (ABNT NBR 14725)

Flammable liquids, Category 3
 Acute toxicity (oral), Category 5
 Acute toxicity (dermal), Category 4
 Acute toxicity (inhalation:dust,mist) Category 4
 Skin corrosion/irritation, Category 2
 Serious eye damage/eye irritation, Category 2
 Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
 Specific target organ toxicity – Repeated exposure, Category 2
 Aspiration hazard, Category 1
 Hazardous to the aquatic environment – Acute Hazard, Category 2
 Hazardous to the aquatic environment – Chronic Hazard, Category 3

2.2. Label elements

GHS BR labelling

Hazard pictograms (GHS BR)



Signal word (GHS BR)

: Danger

Hazard statements (GHS BR)

: H226 - Flammable liquid and vapour.
 H303 - May be harmful if swallowed
 H304 - May be fatal if swallowed and enters airways.
 H312+H332 - Harmful in contact with skin or if inhaled
 H315 - Causes skin irritation.
 H319 - Causes serious eye irritation.
 H335 - May cause respiratory irritation.
 H373 - May cause damage to organs (hearing organs) through prolonged or repeated exposure.
 H401 - Toxic to aquatic life
 H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS BR)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
 No smoking.
 P233 - Keep container tightly closed.
 P240 - Ground/bond container and receiving equipment.
 P241 - Use explosion-proof electrical, lighting, ventilating equipment.
 P242 - Use only non-sparking tools.

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P243 - Take precautionary measures against static discharge.
P260 - Do not breathe vapours, mist.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective clothing, protective gloves.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER if you feel unwell.
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use carbon dioxide (CO₂), Dry extinguishing powder, foam, Water fog to extinguish.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, national regulation.

2.3. Other hazards not contributing to the classification

Handling this product may result in electrostatic accumulation. Use proper grounding procedures

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : Reaction Mass of Ethylbenzene and Xylenes
CAS-No. : Not applicable
EC-No. : 905-588-0
EC Index-No. : 601-022-00-9
Formula : C₈H₁₀

Name	Product identifier	%
Ethylbenzene (Constituent)	CAS-No.: 100-41-4	50 – 56
Xylenes (o-, m-, p- isomers) (Constituent)	CAS-No.: 1330-20-7	43 – 50
cumene (Impurity)	CAS-No.: 98-82-8	0.1 – 0.3

3.2. Mixtures

Not applicable

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 : Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. Give oxygen or artificial respiration as needed. Seek medical attention immediately.
First-aid measures after skin contact : Rinse immediately with plenty of water for 15 minutes. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
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 and attention.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after inhalation	: Harmful if inhaled. Inhalation may cause irritation, cough, shortness of breath. Aspiration of this material may cause chemical pneumonia.
Symptoms/effects after skin contact	: Harmful in contact with skin. Causes skin irritation. Intensive skin contact, may cause skin problems (contact dermatitis).
Symptoms/effects after eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.
Chronic symptoms	: May cause damage to organs through prolonged or repeated exposure. hearing organs.

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

Note to physician :	: Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable liquid and vapour. Vapours may cause fire/explosion if source of ignition is present. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source. Under fire conditions closed containers may rupture or explode. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.
Explosion hazard	: Explosive vapour/air mixtures may be formed. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Advice for firefighters

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.
Protective equipment for firefighters	: 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. Avoid contact with spilled material. Spilled material may present a slipping hazard. Stop leak if safe to do so.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing, gloves and eye/face protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate spillage area. Do not breathe mist, vapours. Avoid contact with skin and eyes. No flames, no sparks. Eliminate all sources of ignition.

6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing, gloves and eye/face protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Stop leaks if it can be done without personal risk. Eliminate every possible source of ignition. Ventilate area.

6.2. Environmental precautions

Avoid discharge to the environment. Do not flush down sewers. Do not allow uncontrolled discharge of product into the environment. Do not allow run-off from fire fighting to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Ventilate spillage area.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect up the product and place it in a spare container suitably labelled.
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.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Container remains hazardous when empty. Continue to observe all precautions. Handle empty containers with care because residual vapours are flammable. Handling this product may result in electrostatic accumulation. Use proper grounding procedures.
- Precautions for safe handling : Ground/bond container and receiving equipment. Use grounded electrical/mechanical equipment. Use only non-sparking tools. Avoid producing mist or vapours by heating of opened receptacle/container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Do not breathe mist, vapours.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment. Use grounded electrical/mechanical equipment. Provide adequate ventilation. 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.
- Storage conditions : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep in original containers closed. Store in dry, cool, well-ventilated area. Store only in a limited quantity.
- Incompatible materials : Oxidizing agent. Strong acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethylbenzene (100-41-4)	
Brazil - Occupational Exposure Limits	
Local name	Etilbenzeno
OEL TWA	340 mg/m ³
OEL TWA [ppm]	78 ppm
Regulatory reference	Norma Regulamentadora Nº 15 - Atividades e Operações Insalubres
Brazil - Biological limit values	
Local name	Etilbenzeno
BEI	0.15 g/g creatinine Parâmetro: Soma dos ácidos mandélico e fenilglicóxico - Meio: Urina - Momento de amostragem: Final de jornada de trabalho - Observações: Não específico (pode ser encontrado por exposições a outras substâncias).
Remark	Interpretação: IBE/EE - Indicadores Biológicos de Exposição Excessiva.
Regulatory reference	NR 7 - PCMSO
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethylbenzene
ACGIH OEL TWA [ppm]	20 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; ototoxicity; kidney eff; CNS impair. Notations: OTO (Ototoxicant); A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2023
USA - ACGIH - Biological Exposure Indices	
Local name	ETHYLBENZENE
BEI	0.15 g/g creatinine Parameter: Sum of mandelic acid and phenylglyoxylic acid (with hydrolysis) - Medium: urine - Sampling time: End of shift - Notations: Ns
Regulatory reference	ACGIH 2023

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Xylenes (o-, m-, p- isomers) (1330-20-7)	
Brazil - Occupational Exposure Limits	
Local name	Xileno (xilol)
OEL TWA	340 mg/m ³
OEL TWA [ppm]	78 ppm
Remark (NR-15)	Absorção também p/pele
Regulatory reference	Norma Regulamentadora Nº 15 - Atividades e Operações Insalubres
Brazil - Biological limit values	
Local name	Xilenos
BEI	1.5 mg/g creatinine Parâmetro: Ácido metilhipúrico - Meio: Urina - Momento de amostragem: Final de jornada de trabalho.
Remark	Interpretação: IBE/EE - Indicadores Biológicos de Exposição Excessiva.
Regulatory reference	NR 7 - PCMSO
USA - ACGIH - Occupational Exposure Limits	
Local name	Xylene, mixed isomers (Dimethylbenzene)
ACGIH OEL TWA [ppm]	20 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; hematologic eff; ototoxicity (for mixtures containing p-xylene); CNS impair. Notations: OTO (for mixtures containing p-xylene); A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2023
USA - ACGIH - Biological Exposure Indices	
Local name	XYLENES (Technical or commercial grade)
BEI	1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift
Regulatory reference	ACGIH 2023
cumene (98-82-8)	
Brazil - Occupational Exposure Limits	
Local name	Cumeno (Isopropil benzeno)
OEL TWA	190 mg/m ³
OEL TWA [ppm]	39 ppm
Remark (NR-15)	Absorção também p/pele
Regulatory reference	Norma Regulamentadora Nº 15 - Atividades e Operações Insalubres
USA - ACGIH - Occupational Exposure Limits	
Local name	Cumene
ACGIH OEL TWA [ppm]	5 ppm
Remark (ACGIH)	TLV® Basis: URT adenoma; neurological eff. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2023

8.2. Exposure controls

Appropriate engineering controls

: Provide local exhaust or general room ventilation to minimize vapour concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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8.3. Personal protective equipment

Hand protection:

Wear suitable gloves resistant to chemical penetration. This material may attack some forms of plastics and rubbers. Use PVC. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

Eye protection:

Chemical goggles or safety glasses. Use splash goggles when eye contact due to splashing is possible

Skin and body protection:

Long sleeved protective clothing. Boots made of PVC

Respiratory protection:

An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits. [In case of inadequate ventilation] wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear Liquid.
Colour	: Colourless
Odour	: aromatic odour
Odour threshold	: Not available
pH	: Not applicable
Melting point	: Varies depending on the composition of the mixture (m-xylene = -47,4°C; o-xylene = -25°C; p-xylene = 13-3°C; ethylbenzene = -95°C)
Freezing point	: Not available
Boiling point	: 136 – 140 °C
Flash point	: 30 °C (ASTM D 93)
Relative evaporation rate (butylacetate=1)	: Not available
Flammability	: Flammable
Explosive limits	: Not available
Vapour pressure	: 9.6 mm Hg
Relative vapour density at 20°C	: 3.66 Ethyl benzene (air = 1)
Relative density	: 0.862 – 0.872 g/cm ³ (@ 20/4°C)
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water (Log Pow)	: 3.12 – 3.2
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: 464 °C
Decomposition temperature	: Not available
Viscosity, kinematic	: 0.265 – 1.729 mm ² /s
Viscosity, dynamic	: 0.146 – 1.63 mPa.s

9.2. Other information

Additional information	: Evaporation rate: 0.72
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SECTION 10: Stability and reactivity

Chemical stability	: Stable at ambient temperature and under normal conditions of use.
Conditions to avoid	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid static electricity discharges.
Hazardous decomposition products	: Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.
Incompatible materials	: Strong acids. Oxidizing agent.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Reactivity	: No dangerous reactions known under normal conditions of use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: May be harmful if swallowed.
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Acute toxicity (dermal) : Harmful in contact with skin
Acute toxicity (inhalation) : Harmful if inhaled.

Reaction Mass of Ethylbenzene and Xylenes (Not applicable)	
LD50 oral rat	3523 mg/kg bodyweight
LD50 dermal rabbit	12126 mg/kg bodyweight
LC50 Inhalation - Rat	27124 mg/l/4h

Ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15400 mg/kg
LC50 Inhalation - Rat	17.4 mg/l/4h
ATE BR (gases)	3000 ppmv/4h
ATE BR (dust,mist)	1.5 mg/l/4h

Xylenes (o-, m-, p- isomers) (1330-20-7)	
ATE BR (oral)	3500 mg/kg bodyweight
ATE BR (dermal)	1100 mg/kg bodyweight
ATE BR (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)
ATE BR (oral)	1400 mg/kg bodyweight

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not available
Germ cell mutagenicity : Not available
Carcinogenicity : For this substance a chemical safety assessment has been carried out. Based on available data, the classification criteria are not met
Reproductive toxicity : Not available
STOT-single exposure : May cause respiratory irritation.

Xylenes (o-, m-, p- isomers) (1330-20-7)	
STOT-single exposure	May cause respiratory irritation.

cumene (98-82-8)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : May cause damage to organs (hearing organs) through prolonged or repeated exposure.

Ethylbenzene (100-41-4)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Xylenes (o-, m-, p- isomers) (1330-20-7)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

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

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

Symptoms/effects after inhalation : Harmful if inhaled. Inhalation may cause irritation, cough, shortness of breath. Aspiration of this material may cause chemical pneumonia.
Symptoms/effects after skin contact : Harmful in contact with skin. Causes skin irritation. Intensive skin contact, may cause skin problems (contact dermatitis).
Symptoms/effects after eye contact : Causes serious eye irritation.

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Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.
Chronic symptoms	: May cause damage to organs through prolonged or repeated exposure. hearing organs.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

Reaction Mass of Ethylbenzene and Xylenes (Not applicable)	
LC50 - Fish [1]	2.6 mg/l
EC50 - Crustacea [1]	3.82 mg/l (Daphnia)
ErC50 algae	3.2 mg/l
NOEC (chronic)	0.44 mg/l

Ethylbenzene (100-41-4)	
LC50 - Fish [1]	11 – 18 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	4.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])

Xylenes (o-, m-, p- isomers) (1330-20-7)	
LC50 - Fish [1]	13.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	3.82 mg/l (Exposure time: 48 h - Species: water flea)

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

Reaction Mass of Ethylbenzene and Xylenes (Not applicable)	
Persistence and degradability	Readily biodegradable. not persistent.

12.3. Bioaccumulative potential

Reaction Mass of Ethylbenzene and Xylenes (Not applicable)	
Partition coefficient n-octanol/water (Log Pow)	3.12 – 3.2
Bioaccumulative potential	not bioaccumulable.

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))

Xylenes (o-, m-, p- isomers) (1330-20-7)	
BCF - Fish [1]	0.6 – 15

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

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According to ABNT NBR 14725-4

12.5. Other adverse effects

Hazardous to the ozone layer : Not available

SECTION 13: Disposal considerations

Waste treatment methods : Disposal must be done according to official regulations. Consult an expert on waste disposal or treatment.

Product/Packaging disposal recommendations : Dispose of this material and its container at hazardous or special waste collection point.

Additional information : Avoid release to the environment.

SECTION 14: Transport information

14.1 National and international Regulations

Land transport - ANTT

Proper shipping name HYDROCARBONS, LIQUID, N.O.S. (Xylenes)
UN Number UN3295
Transport hazard class(es) 3
Packing group III
Hazard identification number 30
Environmental hazards Toxic to aquatic life

Maritime transport - IMDG

Proper shipping name HYDROCARBONS, LIQUID, N.O.S. (Xylenes)
UN Number UN3295
Transport hazard class(es) 3
Packing group III
Environmental hazards Toxic to aquatic life
Marine pollutant Yes
Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code
Product name Xylenes/ethylbenzenes (10% or more) mixture

Air transport - IATA

Proper shipping name Hydrocarbons, liquid, n.o.s. (Xylenes)
UN number UN3295
Transport hazard class(es) 3
Packing group III
Environmental hazards Toxic to aquatic life

14.2 Other information

This information does not intend to convey all specific regulatory or operational requirements/information relating to the product, therefore it cannot be considered exhaustive. Consult ANTT, IMO and ICAO regulations before transporting the product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: Regulatory information

15.1. National regulations

Regulatory reference : Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on the Canadian DSL (Domestic Substances List)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Subject to reporting requirements of United States SARA Section 313
Listed on EPA Hazardous Air Pollutant (HAPS)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Japanese Poisonous and Deleterious Substances Control Law
Japanese Pollutant Release and Transfer Register Law (PRTR Law)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

SECTION 16: Other information

Sources of Key data : MSDS.

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Abbreviations and acronyms

: ACGIH - ACGIH (American Conference of Government Industrial Hygienists)
TWA - TWA- Time Weighted Average
PEL - PEL- Permissible Exposure Level
OSHA - OSHA - Occupational Safety and Health Administration
URT irr - URT irr (upper respiratory tract irritation)
CNS impair - CNS impair (central nervous system impairment)
STEL - Short-Term Exposure Limit
PVA - PVA (Polyvinyl alcohol).
IARC - International Agency for Research on Cancer
BCF - Bioconcentration factor

Braskem - SDS_Brazil (modified 220224)

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.