

### SECTION 1: Identification of Product and Company

#### 1.1. Product identifier

Trade name	: Braskem Pluract 9
Chemical name	: Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified
Product code	: P110 / P110C / P110Q / P110R / P110S / P815
Recommended use	: Industrial use, Manufacture of substances, Intermediate, Formulation of preparations, Coatings and paints, thinners, paint removers, Fuels, Manufacture of rubber products, Use in Agrochemicals

#### 1.2. Company identification

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 Polo Petroquímico de Camaçari  
 Camaçari, BA, CEP: 42810-000, Brasil  
 Tel: +55 (71) 3413-3600  
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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 +1 703 527 3887 (CHEMTREC International)
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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  
 Skin corrosion/irritation, Category 2  
 Serious eye damage/eye irritation, Category 2  
 Carcinogenicity, Category 1B  
 Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation  
 Aspiration hazard, Category 1  
 Hazardous to the aquatic environment – Acute Hazard, Category 2  
 Hazardous to the aquatic environment – Chronic Hazard, Category 2

#### 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.
- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H319 - Causes serious eye irritation.
- H335 - May cause respiratory irritation.
- H350 - May cause cancer.
- H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS BR) :

- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- 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.
- P243 - Take precautionary measures against static discharge.
- P261 - Avoid breathing vapours, mist, fumes.
- P264 - Wash hands, forearms and face thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product
- P271 - Use only outdoors or in a well-ventilated area.

# Braskem Pluract 9

## Safety Data Sheet

According to ABNT NBR 14725-4

P273 - Avoid release to the environment.  
P280 - Wear eye protection, protective gloves  
P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER.  
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.  
P308+P313 - IF exposed or concerned: Get medical advice/attention.  
P312 - Call a doctor, 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 (CO<sub>2</sub>), extinguishing powder, foam to extinguish.  
P391 - Collect spillage.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P235 - 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

Vapours may travel long distances along ground before igniting/flashing back to vapour source

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : UVCB  
Name : Solvent naphtha, petroleum, light aromatic  
CAS-No. : 64742-95-6  
EC-No. : 265-199-0;918-668-5  
EC Index-No. : 649-356-00-4  
Formula : Unspecified

Name	Product identifier	%
Solvent naphtha, petroleum, light aromatic	CAS-No.: 64742-95-6	100
Benzene, 1,2,4-trimethyl-	CAS-No.: 95-63-6	2 – 33
propylbenzene	CAS-No.: 103-65-1	5 – 25
p-Ethyltoluene	CAS-No.: 622-96-8	0 – 20
o-Ethyltoluene	CAS-No.: 611-14-3	5 – 10
Xylene	CAS-No.: 1330-20-7	0 – 10
1,3,5-Trimethylbenzene	CAS-No.: 108-67-8	2 – 10
cumene	CAS-No.: 98-82-8	1 – 5
1,2,3-Trimethylbenzene	CAS-No.: 526-73-8	0 – 5
Benzene, 1,3-diethyl-	CAS-No.: 141-93-5	0 – 1.5
Benzene, 1-methyl-4-propyl-	CAS-No.: 1074-55-1	0 – 0.9
Benzene, 1-ethyl-3,5-dimethyl-	CAS-No.: 934-74-7	0 – 0.4
n-Butylbenzene	CAS-No.: 104-51-8	0 – 0.2
Benzene, 1-methyl-2-propyl-	CAS-No.: 1074-17-5	0 – 0.2
p-Cymene	CAS-No.: 99-87-6	0 – 0.2

# Braskem Pluract 9

## Safety Data Sheet

According to ABNT NBR 14725-4

Name	Product identifier	%
Isobutylbenzene	CAS-No.: 538-93-2	0 – 0.2

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove victim to fresh air. Do not apply mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration. Seek medical advice (show the label where possible).
- First-aid measures after skin contact : Take off contaminated clothing and wash it before reuse. Rinse immediately with plenty of water for 15 minutes. Obtain medical attention if irritation persists. Call a POISON CENTER or doctor/physician if you feel unwell.
- First-aid measures after eye contact : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation develops.
- First-aid measures after ingestion : Do not induce vomiting. Rinse mouth. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Seek medical advice (show the label where possible). Call a poison center or a doctor if you feel unwell.

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

- Symptoms/effects : May cause cancer.
- Symptoms/effects after inhalation : May cause irritation to the respiratory tract and to other mucous membranes.
- Symptoms/effects after skin contact : Causes skin irritation.
- Symptoms/effects after eye contact : Causes serious eye irritation.
- Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting. Aspiration of this material may cause chemical pneumonia.

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

- Note to physician : Avoid any direct contact with the product. Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>), dry chemical powder, foam. Water fog.
- Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

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

- Fire hazard : Flammable liquid. Gas/vapour heavier than air. May accumulate in confined spaces, particularly at or below ground level. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.
- Explosion hazard : Prolonged exposure to fire may cause containers to rupture/explode.

### 5.3. Advice for firefighters

- Firefighting instructions : Cool closed containers exposed to fire with water spray. Exercise caution when fighting any chemical fire.
- Protective equipment for firefighters : Wear recommended personal protective equipment. 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 : Eliminate every possible source of ignition. Keep away from sources of ignition. No open flames. No smoking.

#### 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 : In case of leakage, eliminate all ignition sources. Evacuate unnecessary personnel.

# Braskem Pluract 9

## Safety Data Sheet

According to ABNT NBR 14725-4

### 6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing. In case of fire: Use self-contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".
- Emergency procedures : Eliminate every possible source of ignition. Evacuate and limit access.

### 6.2. Environmental precautions

Avoid sub-soil penetration. Prevent entry to sewers and public waters.

### 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.
- Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Collect all waste in suitable and labelled containers and dispose according to local legislation.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapour and mist. Do not swallow. Wear recommended personal protective equipment. Handle in accordance with good industrial hygiene and safety procedures.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

- Technical measures : Keep away from open flames, hot surfaces and sources of ignition. Proper grounding procedures to avoid static electricity should be followed. Use only non-sparking tools.
- Storage conditions : Store in dry, cool, well-ventilated area. Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed.
- Incompatible materials : Strong oxidizing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>cumene (98-82-8)</b>	
<b>Brazil - Occupational Exposure Limits</b>	
Local name	Cumeno (Isopropil benzeno)
OEL TWA	190 mg/m <sup>3</sup>
OEL TWA [ppm]	39 ppm
Remark (NR-15)	Absorção também p/pele
Regulatory reference	Norma Regulamentadora Nº 15 - Atividades e Operações Insalubres
<b>USA - ACGIH - Occupational Exposure Limits</b>	
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
<b>Xylene (1330-20-7)</b>	
<b>Brazil - Occupational Exposure Limits</b>	
Local name	Xileno (xilol)
OEL TWA	340 mg/m <sup>3</sup>
OEL TWA [ppm]	78 ppm
Remark (NR-15)	Absorção também p/pele
Regulatory reference	Norma Regulamentadora Nº 15 - Atividades e Operações Insalubres

# Braskem Pluract 9

## Safety Data Sheet

According to ABNT NBR 14725-4

<b>Xylene (1330-20-7)</b>	
<b>Brazil - Biological limit values</b>	
Local name	Xilenos
BEI	1.5 g/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
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Xylene, mixed isomers (Dimethylbenzene)
ACGIH OEL TWA [ppm]	20 ppm
ACGIH OEL STEL [ppm]	150 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
<b>USA - ACGIH - Biological Exposure Indices</b>	
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
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	1,2,4-Trimethyl benzene
ACGIH OEL TWA [ppm]	10 ppm
Remark (ACGIH)	TLV® Basis: CNS impair; hematologic eff. Notations: A4 (Not classifiable as a Human Carcinogen)
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2023
<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	1,3,5-Trimethyl benzene
ACGIH OEL TWA [ppm]	10 ppm
Remark (ACGIH)	TLV® Basis: CNS impair; hematologic eff
Regulatory reference	ACGIH 2023
<b>1,2,3-Trimethylbenzene (526-73-8)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	1,2,3-Trimethyl benzene
ACGIH OEL TWA	123 mg/m <sup>3</sup>
ACGIH OEL TWA [ppm]	25 ppm
Remark (ACGIH)	TLV® Basis: CNS impair; hematologic eff
Regulatory reference	ACGIH 2023

# Braskem Pluract 9

## Safety Data Sheet

According to ABNT NBR 14725-4

### 8.2. Exposure controls

- Appropriate engineering controls : Ensure adequate ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Avoid release to the environment.

### 8.3. Personal protective equipment

#### Hand protection:

Impermeable protective nitrile gloves. Polyvinylchloride (PVC). Polyvinylalcohol (PVA). Consult glove manufacturer's product information on material suitability and material thickness.

#### Eye protection:

Chemical goggles or safety glasses

#### Skin and body protection:

Use chemically protective clothing

#### Respiratory protection:

Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: Clear.
Colour	: Colourless, Yellow
Odour	: Hydrocarbon-like
Odour threshold	: Not available
pH	: Not applicable
Melting point	: -48.4 °C
Freezing point	: Not available
Boiling point	: 156 – 175 °C
Flash point	: 40 °C (Closed cup)
Relative evaporation rate (butylacetate=1)	: Not available
Relative evaporation rate (ether=1)	: 0.23
Flammability	: Not available
Explosive limits	: 0.7 – 6.6 vol %
Vapour pressure	: 2.1 mm Hg
Relative vapour density at 20°C	: 4.14 – 4.15 (20°C)
Relative density	: 0.86 – 0.88 g/cm <sup>3</sup> @ 20C (Water = 1)
Density	: 0.88 (water =1)
Solubility	: Not available
Partition coefficient n-octanol/water (Log Pow)	: 3.75
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: 491.5 °C
Decomposition temperature	: Not available
Viscosity, kinematic	: 0.8 – 0.99 mm <sup>2</sup> /s @ 20C
Viscosity, dynamic	: 0.68 – 0.885 mPa·s @ 20C

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

Chemical stability	: Stable under normal conditions.
Conditions to avoid	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Incompatible materials.
Hazardous decomposition products	: No hazardous decomposition products known at room temperature. On burning: release of (highly) toxic gases/vapours. Hydrocarbon substances with low molecular weight and their oxidation products.
Incompatible materials	: Strong oxidizing agents.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.

# Braskem Pluract 9

## Safety Data Sheet

According to ABNT NBR 14725-4

Reactivity : No dangerous reactions known under normal conditions of use.  
Handling temperature : No additional information available

### 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) : Not classified. (Based on available data, the classification criteria are not met)  
Acute toxicity (inhalation) : Not classified. (Based on available data, the classification criteria are not met)

<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
LD50 oral rat	8400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	3400 ppm/4h
<b>p-Ethyltoluene (622-96-8)</b>	
LD50 oral rat	4850 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat [ppm]	> 3900 ppm (Exposure time: 6 h)
<b>propylbenzene (103-65-1)</b>	
LD50 oral rat	6040 mg/kg
LD50 dermal rat	10600 mg/kg
LC50 Inhalation - Rat	422 g/m <sup>3</sup> (Exposure time: 2 h)
<b>cumene (98-82-8)</b>	
LD50 oral rat	1400 mg/kg
LD50 dermal rabbit	12300 µl/kg
LC50 Inhalation - Rat [ppm]	> 3577 ppm (Exposure time: 6 h)
<b>Xylene (1330-20-7)</b>	
ATE BR (oral)	3500 mg/kg bodyweight
ATE BR (dermal)	1700 mg/kg bodyweight
ATE BR (gases)	5000 ppmv/4h
ATE BR (vapours)	29.08 mg/l/4h
ATE BR (dust,mist)	1.5 mg/l/4h
<b>Benzene, 1-ethyl-3,5-dimethyl- (934-74-7)</b>	
ATE BR (oral)	500 mg/kg bodyweight
<b>n-Butylbenzene (104-51-8)</b>	
LD50 oral rat	3503 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>p-Cymene (99-87-6)</b>	
LD50 oral rat	4750 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	> 9.7 mg/l (Exposure time: 5 h)
ATE BR (gases)	700 ppmv/4h
ATE BR (vapours)	3 mg/l/4h
ATE BR (dust,mist)	0.5 mg/l/4h

# Braskem Pluract 9

## Safety Data Sheet

According to ABNT NBR 14725-4

<b>Isobutylbenzene (538-93-2)</b>	
LD50 dermal rat	> 2000 mg/kg
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
LD50 oral rat	3280 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 Inhalation - Rat	18 g/m <sup>3</sup> (Exposure time: 4 h)
ATE BR (dust,mist)	1.5 mg/l/4h
<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
LC50 Inhalation - Rat	24 g/m <sup>3</sup> (Exposure time: 4 h)
ATE BR (vapours)	24 mg/l/4h
ATE BR (dust,mist)	24 mg/l/4h
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	: May cause cancer.
<b>cumene (98-82-8)</b>	
Carcinogenicity	May cause cancer.
Reproductive toxicity	: Not available
STOT-single exposure	: May cause respiratory irritation.
<b>propylbenzene (103-65-1)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>cumene (98-82-8)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>Benzene, 1,3-diethyl- (141-93-5)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not available
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
NOAEL (oral, rat, 90 days)	600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEC (inhalation, rat, vapour, 90 days)	1.8 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
Aspiration hazard	: May be fatal if swallowed and enters airways.
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
Hydrocarbon	Yes
Viscosity, kinematic	0.8 – 0.99 mm <sup>2</sup> /s @ 20C

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

Symptoms/effects	: May cause cancer.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract and to other mucous membranes.
Symptoms/effects after skin contact	: Causes skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.



# Braskem Pluract 9

## Safety Data Sheet

According to ABNT NBR 14725-4

Symptoms/effects after ingestion : Ingestion may cause nausea and vomiting. Aspiration of this material may cause chemical pneumonia.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazardous to the aquatic environment, short-term (acute) : Toxic to aquatic life.

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

<b>cumene (98-82-8)</b>	
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])

<b>Xylene (1330-20-7)</b>	
NOEC (acute)	0.44 mg/l 72 hours

<b>Benzene, 1,3-diethyl- (141-93-5)</b>	
LC50 - Fish [1]	4.05 – 4.25 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

<b>p-Cymene (99-87-6)</b>	
LC50 - Fish [1]	48 mg/l Test organisms (species): Cyprinodon variegatus
EC50 - Crustacea [1]	3.7 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	4.03 mg/l Test organisms (species): Scenedesmus capricornutum
EC50 72h - Algae [2]	2.01 mg/l Test organisms (species): Scenedesmus capricornutum
EC50 96h - Algae [1]	22 mg/l Source: The ECOTOXicology database
NOEC chronic crustacea	0.46 mg/l

<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
LC50 - Fish [1]	7.19 – 8.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 96h - Algae [1]	2.356 mg/l Test organisms (species): other:Green algae

<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
LC50 - Fish [1]	3.48 mg/l (Exposure time: 96 h - Species: Pimephales promelas)

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
Partition coefficient n-octanol/water (Log Pow)	3.75

<b>cumene (98-82-8)</b>	
BCF - Fish [1]	35.5
Partition coefficient n-octanol/water (Log Pow)	3.55 (at 23 °C)

<b>n-Butylbenzene (104-51-8)</b>	
Partition coefficient n-octanol/water (Log Pow)	4.6

<b>p-Cymene (99-87-6)</b>	
Partition coefficient n-octanol/water (Log Pow)	4.8 (at 20 °C (at pH 7)

# Braskem Pluract 9

## Safety Data Sheet

According to ABNT NBR 14725-4

Isobutylbenzene (538-93-2)	
BCF - Fish [1]	(1000 dimensionless)
Partition coefficient n-octanol/water (Log Pow)	4.8 (at 23 °C (at pH 6)

  

Benzene, 1,2,4-trimethyl- (95-63-6)	
Partition coefficient n-octanol/water (Log Pow)	3.63

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Hazardous to the ozone layer : Not available  
Effect on the ozone layer : No additional information available.

## SECTION 13: Disposal considerations

Product/Packaging disposal recommendations : Dispose as hazardous waste. Dispose of in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

### 14.1 National and international Regulations

#### Road and Rail Transport - ANTT

UN Number UN1268  
Proper shipping name PETROLEUM DISTILLATES, N.O.S. (Solvent naphtha (petroleum), light aromatic)  
Transport hazard class(es) 3  
Packing group III  
Risk Identification Number 30  
Environmental hazards Toxic to aquatic life with long lasting effects.

#### Maritime Transport - IMDG

UN Number UN1268  
Proper shipping name PETROLEUM DISTILLATES, N.O.S. (Solvent naphtha (petroleum), light aromatic)  
Transport hazard class(es) 3  
Packing group III  
Environmental hazards Toxic to aquatic life with long lasting effects  
Marine pollutant Yes  
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:  
Product name Consult IMO guidelines before transporting in bulk

#### Air Transport - IATA

UN Number UN1268  
Proper shipping name Petroleum distillates, n.o.s. (Solvent naphtha (petroleum), light aromatic)  
Transport hazard class(es) 3  
Packing group III  
Environmental hazards Toxic to aquatic life with long lasting effects

### 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.

# Braskem Pluract 9

## Safety Data Sheet

According to ABNT NBR 14725-4

### 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)  
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
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

No additional information available

Braskem - SDS\_Brazil (modified 230209)

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.