

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

1.1. Product identifier

Product form : Substance
Trade name : Pyrolysis C9

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

Use of the substance/mixture : Fuel

1.3. Details of the supplier of the safety data sheet

US office:
Braskem S.A.
5100 Westheimer Rd - Suite 495
Houston, 77056 - USA

Manufacturer:
Braskem S.A.
Rua Eteno, 1561, Polo Petroquímico de Camaçari
Camaçari, BA, CEP: 42810-000, Brasil

Braskem S.A.
BR 386 – Rodovia Tabai-Canoas, km 419, Via do Contorno, 850
Triunfo, RS, CEP: 95853-000, Brasil

Braskem S.A.
Av. Presidente Costa e Silva, 1178 – Capuava
Santo André, SP, CEP: 09270-001, Brasil

Contact Email : productsafety@braskem.com
Emergency Telephone Number (CHEMTREC) : 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 3 H226
Skin Irrit. 2 H315
Carc. 1B H350
Asp. Tox. 1 H304

Full text of H statements: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS02

GHS07

GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H226 - Flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H350 - May cause cancer

Precautionary statements (GHS-US) : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, sparks, open flames. - No smoking
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P264 - Wash hands, forearms and face thoroughly after handling

P280 - Wear protective clothing, protective gloves, eye protection
 P301+P310 - If swallowed: Immediately call 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
 P308+P313 - If exposed or concerned: Get medical advice/attention
 P321 - Specific treatment (see First aid measures on this label)
 P331 - Do NOT induce vomiting
 P332+P313 - If skin irritation occurs: 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, sand to extinguish
 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, regional, national and/or international regulation

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substance

Substance type : UVCB
 Name : Pyrolysis C9

Name	Product identifier	%
m-Ethyltoluene	(CAS No) 620-14-4	≈ 17,14
o-Xylene	(CAS No) 95-47-6	≈ 12,34
n-Propylbenzene	(CAS No) 103-65-1	≈ 7,38
p-Ethyltoluene	(CAS No) 622-96-8	≈ 6,22
Benzene, 1,2,4-trimethyl-	(CAS No) 95-63-6	≈ 5,69
Benzene, 1-ethyl-2-methyl-	(CAS No) 611-14-3	≈ 5,65
1,2,3-Trimethylbenzene	(CAS No) 526-73-8	≈ 2,86
Cumene	(CAS No) 98-82-8	≈ 2,80

Full text of H-statements: see section 16

Synonym: Flammable Liquid, NOS; Alkyl (C3-C4) benzene (n)

3.2. Mixture

Not applicable

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 victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation persists, seek medical attention.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries after inhalation : Overexposure to vapours may result in cough.

Symptoms/injuries after skin contact : Causes skin irritation. Prolonged or repeated contact with the skin may cause dermatitis.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.

Symptoms/injuries after ingestion : Ingestion may cause nausea and vomiting. May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapor. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

Explosion hazard : May form flammable/explosive vapor-air mixture.

Reactivity : No dangerous reactions known under normal conditions of use. Stable under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area. Avoid all eye and skin contact and do not breathe vapor and mist. Spilled material may present a slipping hazard.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

For containment : Contain and collect as any solid. Contain leaking substance, pump over in suitable containers.

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

6.4. Reference to other sections

For further information refer to section 8: Exposure-controls/personal protection. For disposal of residues refer to section 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist, spray, and vapours. Use only outdoors or in a well-ventilated area.

Hygiene measures : 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 : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting, ventilating equipment.

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container tightly closed.

Incompatible materials : Strong bases. Strong acids.

Storage area : Store in a dry, cool and well-ventilated place. Store away from heat.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

o-Xylene (95-47-6)		
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm
Cumene (98-82-8)		
ACGIH	ACGIH TWA (ppm)	50 ppm
ACGIH	Remark (ACGIH)	Eye, skin, & URT irr; CNS impair
OSHA	OSHA PEL (TWA) (mg/m ³)	245 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	50 ppm

8.2. Exposure controls

Appropriate engineering controls	: Avoid the formation of mists in the atmosphere. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Impermeable protective gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Wear respiratory protection.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: characteristic
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not available
Boiling point	: 130 - 220 °C
Flash point	: 39 - 46 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Flammability (solid, gas)	: No data available
Vapor pressure	: < 0,1 kPa
Relative vapor density at 20 °C	: Not available
Relative density	: 0,91 – 0,94
Solubility	: Water: Insoluble Organic solvent: completely soluble
Log Pow	: Not available
Log Kow	: No data available
Viscosity, kinematic	: Not available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: Not available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use. Stable under normal conditions of use.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

o-Xylene (95-47-6)	
LD50 oral rat	3608 mg/kg
LD50 dermal rabbit	14100 mg/kg
LC50 inhalation rat (ppm)	4330 ppm (Exposure time: 6 h)

n-Propylbenzene (103-65-1)	
LD50 oral rat	6040 mg/kg
LC50 inhalation rat (ppm)	65000 ppm (Exposure time: 2 h)

p-Ethyltoluene (622-96-8)	
LD50 oral rat	4850 mg/kg

Benzene, 1,2,4-trimethyl- (95-63-6)	
LD50 oral rat	3280 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 inhalation rat (mg/l)	18 g/m ³ (Exposure time: 4 h)

Cumene (98-82-8)	
LD50 oral rat	1400 mg/kg
LD50 dermal rabbit	12300 µl/kg
LC50 inhalation rat (ppm)	> 3577 ppm (Exposure time: 6 h)

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : May cause cancer.

o-Xylene (95-47-6)	
IARC group	3 - Not classifiable

Cumene (98-82-8)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

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

Symptoms/injuries after inhalation : Overexposure to vapours may result in cough.

Symptoms/injuries after skin contact : Causes skin irritation. Prolonged or repeated contact with the skin may cause dermatitis.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating.
 Symptoms/injuries after ingestion : Ingestion may cause nausea and vomiting. May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life. May cause long lasting harmful effects to aquatic life.

o-Xylene (95-47-6)	
LC50 fish 1	11.6 - 22.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	3.2 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	11.6 - 22.4 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])
EC50 Daphnia 2	2.61 - 5.59 mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through])
Benzene, 1,2,4-trimethyl- (95-63-6)	
LC50 fish 1	7.19 - 8.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Cumene (98-82-8)	
LC50 fish 1	6.04 - 6.61 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	0.6 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	4.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 Daphnia 2	7.9 - 14.1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Pyrolysis C9	
Log Pow	Not available
o-Xylene (95-47-6)	
BCF fish 1	21.4 (xylene from crude oil)
Log Pow	3.12
n-Propylbenzene (103-65-1)	
Log Pow	3.68
Benzene, 1,2,4-trimethyl- (95-63-6)	
Log Pow	3.63
Cumene (98-82-8)	
BCF fish 1	35.5
Log Pow	3.55 (at 23 °C)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available
 Effect on the global warming : No additional information available
 Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with applicable local, national and international regulation.
 Additional information : Handle empty containers with care because residual vapours are flammable.
 Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: Transport information

Classification for LAND transport: DOT

UN Number : UN3295
 Proper Shipping Name : Hydrocarbons, liquid, n.o.s. (m-Ethyltoluene, o-Xylene)

Class / Division : 3
 Packing group : III
 Reportable quantity : Not Applicable

Classification for SEA transport: IMO - IMDG

UN Number : UN3295
 Proper Shipping Name : HYDROCARBONS, LIQUID, N.O.S. (m-Ethyltoluene, o-Xylene)
 Class / Division : 3
 Packing group : III
 Marine Pollutant : Product not considered marine pollutant based on available data

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Product name : Alkyl (C3-C4) benzenes (n)

Classification for AIR transport: IATA - ICAO

UN Number : UN3295
 Proper Shipping Name : Hydrocarbons, liquid, n.o.s. (m-Ethyltoluene, o-Xylene)
 Class / Division : 3
 Packing group : III

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 US DOT, IMO and ICAO regulations before transporting the product. It is 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. US Federal regulations

o-Xylene (95-47-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 313 - Emission Reporting	1.0 %
n-Propylbenzene (103-65-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
p-Ethyltoluene (622-96-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Benzene, 1,2,4-trimethyl- (95-63-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Subject to reporting requirements of United States SARA Section 313	
SARA Section 313 - Emission Reporting	1.0 %
Cumene (98-82-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Subject to reporting requirements of United States SARA Section 313	
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA
SARA Section 313 - Emission Reporting	1.0 %
Benzene, 1-ethyl-2-methyl- (611-14-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
1,2,3-Trimethylbenzene (526-73-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2. International regulations

CANADA

m-Ethyltoluene (620-14-4)	
WHMIS Classification	Class B Division 2 - Flammable Liquid
o-Xylene (95-47-6)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects

n-Propylbenzene (103-65-1)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class B Division 2 - Flammable Liquid
p-Ethyltoluene (622-96-8)	
Listed on the Canadian NDSL (Non-Domestic Substances List)	
Benzene, 1,2,4-trimethyl- (95-63-6)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class B Division 3 - Combustible Liquid
Cumene (98-82-8)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
Benzene, 1-ethyl-2-methyl- (611-14-3)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class B Division 3 - Combustible Liquid
1,2,3-Trimethylbenzene (526-73-8)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class B Division 3 - Combustible Liquid
EU-Regulations	
m-Ethyltoluene (620-14-4)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
o-Xylene (95-47-6)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
n-Propylbenzene (103-65-1)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
p-Ethyltoluene (622-96-8)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
Benzene, 1,2,4-trimethyl- (95-63-6)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
Cumene (98-82-8)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
Benzene, 1-ethyl-2-methyl- (611-14-3)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
1,2,3-Trimethylbenzene (526-73-8)	
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)	
15.2.2. National regulations	
m-Ethyltoluene (620-14-4)	
Listed on the AICS (Australian Inventory of Chemical Substances)	
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)	
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory	
Listed on NZIoC (New Zealand Inventory of Chemicals)	
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)	
o-Xylene (95-47-6)	
Listed on the AICS (Australian Inventory of Chemical Substances)	
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)	
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory	
Listed on the Korean ECL (Existing Chemicals List)	
Listed on NZIoC (New Zealand Inventory of Chemicals)	
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)	
Japanese Poisonous and Deleterious Substances Control Law	
Japanese Pollutant Release and Transfer Register Law (PRTR Law)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
Listed on INSQ (Mexican national Inventory of Chemical Substances)	
Listed on CICR (Turkish Inventory and Control of Chemicals)	

n-Propylbenzene (103-65-1)

Listed on the AICS (Australian Inventory of Chemical Substances)
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
 Listed on the Korean ECL (Existing Chemicals List)
 Listed on NZIoC (New Zealand Inventory of Chemicals)
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
 Listed on INSQ (Mexican national Inventory of Chemical Substances)
 Listed on CICR (Turkish Inventory and Control of Chemicals)

p-Ethyltoluene (622-96-8)

Listed on the AICS (Australian Inventory of Chemical Substances)
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
 Listed on NZIoC (New Zealand Inventory of Chemicals)
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
 Listed on CICR (Turkish Inventory and Control of Chemicals)

Benzene, 1,2,4-trimethyl- (95-63-6)

Listed on the AICS (Australian Inventory of Chemical Substances)
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
 Listed on the Korean ECL (Existing Chemicals List)
 Listed on NZIoC (New Zealand Inventory of Chemicals)
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
 Japanese Pollutant Release and Transfer Register Law (PRTR Law)
 Listed on the Canadian IDL (Ingredient Disclosure List)
 Listed on INSQ (Mexican national Inventory of Chemical Substances)
 Listed on CICR (Turkish Inventory and Control of Chemicals)

Cumene (98-82-8)

Listed on the AICS (Australian Inventory of Chemical Substances)
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
 Listed on the Korean ECL (Existing Chemicals List)
 Listed on NZIoC (New Zealand Inventory of Chemicals)
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
 Japanese Pollutant Release and Transfer Register Law (PRTR Law)
 Listed on the Canadian IDL (Ingredient Disclosure List)
 Listed on INSQ (Mexican national Inventory of Chemical Substances)
 Listed on CICR (Turkish Inventory and Control of Chemicals)

Benzene, 1-ethyl-2-methyl- (611-14-3)

Listed on the AICS (Australian Inventory of Chemical Substances)
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
 Listed on NZIoC (New Zealand Inventory of Chemicals)
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
 Listed on CICR (Turkish Inventory and Control of Chemicals)

1,2,3-Trimethylbenzene (526-73-8)

Listed on the AICS (Australian Inventory of Chemical Substances)
 Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
 Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
 Listed on the Korean ECL (Existing Chemicals List)
 Listed on NZIoC (New Zealand Inventory of Chemicals)
 Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
 Listed on the Canadian IDL (Ingredient Disclosure List)
 Listed on CICR (Turkish Inventory and Control of Chemicals)

15.3. US State regulations

Cumene (98-82-8)

U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	No	No	No	

SECTION 16: Other information

Sources of Key data	: Data arise from reference works and literature.
Abbreviations and acronyms	: ACGIH - American Conference of Government Industrial Hygienists CNS impair - central nervous system impairment IARC - International Agency for Research on Cancer irr – irritation PEL- Permissible Exposure Level STEL- Short-Term Exposure Limit TWA- Time Weighted Average URT - upper respiratory track
Other information	: None.

Full text of H-statements:

-----	H226	Flammable liquid and vapor
-----	H302	Harmful if swallowed
-----	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
-----	H350	May cause cancer

Braskem - SDS US

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.