

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

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

1.1 Product identifier

Trade name : AROMATIC C6 CUT
Synonyms : C6 Aromatics
Substance name : Distillates (petroleum), light thermal cracked, debutanized aromatic
Substance No. : 273-266-0 (EINECS)
Chemical characterization : Hydrocarbons having carbon numbers higher than C5

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

Identified uses : Manufacture; Distribution of substance; Use as intermediate;
Use as a fuel

1.3 Details of the supplier of the safety data sheet

Company

Basell Polyoléfines France SAS
Chemin départemental 54
B.P. 14
13131 Berre l'Etang Cedex
France

Registration number

01-2119480484-33-
0000

Telephone

+31 (0) 10 713 6860

Raffinerie de Berre

MUO Polyolefine GmbH
Berghauser Weg 50
85126 Münchsmünster
Germany

01-2119480484-33-
0001

+31 (0) 10 713 6860

E-mail address : RegulatoryComplianceROP@velogy.com
Responsible/issuing person

1.4 Emergency telephone number

Basell Polyoléfines France SAS

Site Number:+33 (0) 4
42 74 42 74

MUO Polyolefine GmbH

+49 8402 7 6112

Poison Center:

CareChem 24
DE: +44 1235 239 670
24 hours all days

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version 1.1 Revision Date: 05/11/2026 SDS Number: BEN255 Date of last issue: 05/08/2026
Date of first issue: 05/08/2026

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Germ cell mutagenicity, Category 1B	H340: May cause genetic defects.
Carcinogenicity, Category 1A	H350: May cause cancer.
Reproductive toxicity, Category 2	H361d: Suspected of damaging the unborn child.
Effects on or via lactation	H362: May cause harm to breast-fed children.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 1	H372: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly 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.
H336 May cause drowsiness or dizziness.
H340 May cause genetic defects.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

H350	May cause cancer.
H361d	Suspected of damaging the unborn child.
H362	May cause harm to breast-fed children.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**

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.
P260	Do not breathe mist or vapours.
P263	Avoid contact during pregnancy and while nursing.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

Response:

P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P331	Do NOT induce vomiting.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391	Collect spillage.

Additional Labelling

Restricted to professional users.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name : Distillates (petroleum), light thermal cracked, debutanized

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version 1.1 Revision Date: 05/11/2026 SDS Number: BEN255 Date of last issue: 05/08/2026
Date of first issue: 05/08/2026

aromatic

EC-No. : 273-266-0 (EINECS)

Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)	M-Factor, SCL, ATE
Distillates (petroleum), light thermal cracked, debutanized aromatic	68955-29-3 273-266-0	>= 90 - <= 100	
Substances with a workplace exposure limit :			
Benzene	71-43-2 200-753-7	>= 70 - < 90	
Toluene	108-88-3 203-625-9	>= 1 - < 10	

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Do not leave the victim unattended.
Show this material safety data sheet to the doctor in attendance.
- If inhaled : Keep patient warm and at rest.
If unconscious, place in recovery position and seek medical advice.
Move to fresh air in case of accidental inhalation of vapors.
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
In case of contact, immediately flush skin with soap and plenty of water.
Wash contaminated clothing before re-use.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
If a person vomits when lying on his back, place him in the recovery position.
Never give anything by mouth to an unconscious person.
Do not induce vomiting: contains petroleum distillates and/or aromatic solvents.

4.2 Most important symptoms and effects, both acute and delayed

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

Symptoms : Adverse effects from repeated inhalation may include
Acute irritation of the respiratory system leading to tightness of the chest and an asthmatic condition.
Dizziness
Drowsiness
burning or stinging of the eye

Risks : May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
May cause drowsiness or dizziness.
May cause genetic defects.
May cause cancer.
Suspected of damaging the unborn child.
May cause harm to breast-fed children.
Causes damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
May cause drowsiness or dizziness.
May cause genetic defects.
May cause cancer.
Suspected of damaging the unborn child.
May cause harm to breast-fed children.
Causes damage to organs through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media - small fires

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

Specific hazards during fire-fighting : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Vapors may form flammable mixture with air
The product will float on water and can be reignited on surface water.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

As the product contains combustible organic ingredients, fire will produce dense black smoke containing hazardous products of combustion (see section 10).

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear suitable protective clothing, gloves and eye/face protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Ensure adequate ventilation. Collect as much of the spill as possible with a suitable absorbent material. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Keep away from heat and sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only in area provided with appropriate exhaust ventilation.

Hygiene measures : Remove and wash contaminated clothing before re-use. Provide working environment to minimize the exposure of the persons and appropriate protective equipment for handling the product, because almost no data is available concerning the harmfulness of this product. Provide adequate ventilation.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version 1.1 Revision Date: 05/11/2026 SDS Number: BEN255 Date of last issue: 05/08/2026
Date of first issue: 05/08/2026

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Take measures to prevent the build up of electrostatic charge. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Storage class (TRGS 510) : 3

7.3 Specific end use(s)

Specific use(s) : See Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Benzene	71-43-2	TWA	0.5 ppm 1.65 mg/m ³	2004/37/EC
		Further information: Skin, Carcinogens or mutagens		
		Tolerable concentration	0.6 ppm 1.9 mg/m ³	DE TRGS 910
		Peak-limit: excursion factor (category): 8 - Excursion factor according to Number 3.2.6		
		Further information: Skin-resorptive		
		Acceptable concentration	0.06 ppm 0.2 mg/m ³	DE TRGS 910
		Further information: Skin-resorptive		
Toluene	108-88-3	TWA	50 ppm 192 mg/m ³	2006/15/EC
		Further information: Indicative, Identifies the possibility of significant uptake through the skin		
		STEL	100 ppm 384 mg/m ³	2006/15/EC
		Further information: Indicative, Identifies the possibility of significant uptake through the skin		
		MAK	50 ppm 190 mg/m ³	DE DFG MAK
		Peak-limit: excursion factor (category): 2; II		
		Further information: Danger of absorption through the skin, Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed		
		AGW	50 ppm 190 mg/m ³	DE TRGS 900
		Peak-limit: excursion factor (category): 2;(II)		
		Further information: Skin absorption, When there is compliance with the OEL		

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version
1.1

Revision Date:
05/11/2026

SDS Number:
BEN255

Date of last issue: 05/08/2026
Date of first issue: 05/08/2026

and biological tolerance values, there is no risk of harming the unborn child

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
Benzene	71-43-2	Benzene: 5 µg/l (Urine)	Equivalence Value for Tolerable concentration: end of exposure or end of shift	TRGS 910
		Benzene: 0.8 µg/l (Urine)	Equivalence Value for Acceptance concentration: end of exposure or end of shift	TRGS 910
		S-phenylmercapturic acid: 25 µg/g creatinine (Urine)	Equivalence Value for Tolerable concentration: end of exposure or end of shift	TRGS 910
		S-phenylmercapturic acid: 3 µg/g creatinine (Urine)	Equivalence Value for Acceptance concentration: end of exposure or end of shift	TRGS 910
		trans,trans-muconic acid: 500 µg/g creatinine (Urine)	Equivalence Value for Tolerable concentration: end of exposure or end of shift	TRGS 910
Toluene	108-88-3	toluene: 75 µg/l (Urine)	Immediately after exposition or after working hours	DE DFG BAT
		toluene: 600 µg/l (Blood)	End of shift	DE DFG BAT
		o-cresol: 1.5 mg/l (Urine)	Immediately after exposition or after working hours	DE DFG BAT
		toluene: 75 µg/l (Urine)	Immediately after exposure or after working hours	TRGS 903
		toluene: 600 µg/l (Blood)	End of shift	TRGS 903
		o-cresol: 1.5 mg/l (Urine)	In case of long-term exposure: after more than one shift	TRGS 903

8.2 Exposure controls

Engineering measures

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

Personal protective equipment

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

Eye/face protection : Wear safety glasses with side shields or goggles.

Hand protection

Remarks : Wear chemical resistant gloves such as: Glove material fluoroelastomer; material thickness 0.4 mm; break through time \geq 480 min. Gloves must be replaced after 8 hours of wear. The selected protective gloves have to satisfy the standard EN 374 derived from it. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin and body protection : Flame retardant antistatic protective clothing.
Safety shoes

Respiratory protection : In the case of vapor formation use a respirator with an approved filter.
Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Protective measures : Ensure adequate ventilation.
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
For rescue and maintenance work in storage tanks use self-contained breathing apparatus.
Ensure that eye flushing systems and safety showers are located close to the working place.

Environmental exposure controls

Soil : The product should not be allowed to enter drains, water courses or the soil.

Pick up contaminated soil.

Water : Retain and dispose of contaminated wash water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : colorless, yellow, to, dark brown

Odour : hydrocarbon-like

Odour Threshold : no data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

Melting point/range : -100 - -29 °C

Boiling point/boiling range : 78.3 - 98 °C

Flammability : Highly flammable

Upper explosion limit / Upper flammability limit : not determined

Lower explosion limit / Lower flammability limit : 1 vol%

Flash point : < 21 °C

Decomposition temperature : Hazardous decomposition products formed under fire conditions.
To avoid thermal decomposition, do not overheat.

pH : no data available

Viscosity
Viscosity, kinematic : 0.64 - 1.07 mm²/s (20 °C)

Solubility(ies)
Water solubility : 0.035 - 0.16 g/l

Solubility in other solvents : no data available

Partition coefficient: n-octanol/water : log Pow: 2.2 - 6.5

Vapour pressure : 41 kPa (50 °C)

Density : 0.8271 g/cm³ (20 °C)

Relative vapour density : no data available

9.2 Other information

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

Explosives	:	Not applicable
Oxidizing properties	:	Not applicable
Self-ignition	:	401 - 502 °C
Surface tension	:	70.2 - 72 mN/m, 20 °C

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : None reasonably foreseeable. Stable under normal conditions.

10.4 Conditions to avoid

Conditions to avoid : Keep away from heat and sources of ignition.
Protect from frost, heat and sunlight.

10.5 Incompatible materials

Materials to avoid : Acids
Bases
Strong oxidizing agents
Highly halogenated compounds

10.6 Hazardous decomposition products

Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met.

Components:

Benzene:

Acute oral toxicity : LD50 (Rat): 5,970 mg/kg

Acute inhalation toxicity : LC50 (Rat): 44.5 mg/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version 1.1 Revision Date: 05/11/2026 SDS Number: BEN255 Date of last issue: 05/08/2026
Date of first issue: 05/08/2026

Exposure time: 4 HOURS
Test atmosphere: vapour
Assessment: The component/mixture is minimally toxic after short term inhalation.

Acute dermal toxicity : LD50 (Rabbit.): 8,260 mg/kg

Toluene:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : LC50 (Rat): 25.7 mg/l
Exposure time: 4 HOURS
Test atmosphere: vapour

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Causes skin irritation.

Components:

Distillates (petroleum), light thermal cracked, debutanized aromatic:

Result : Severe skin irritation

Benzene:

Result : Skin irritation

Toluene:

Result : Skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

Distillates (petroleum), light thermal cracked, debutanized aromatic:

Result : Eye irritation

Benzene:

Result : Eye irritation

Toluene:

Result : No eye irritation

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version 1.1 Revision Date: 05/11/2026 SDS Number: BEN255 Date of last issue: 05/08/2026
Date of first issue: 05/08/2026

Respiratory or skin sensitisation

Skin sensitisation

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Components:

Benzene:

Assessment : Did not cause sensitization on laboratory animals.

Toluene:

Assessment : Did not cause sensitization on laboratory animals.

Germ cell mutagenicity

May cause genetic defects.

Components:

Distillates (petroleum), light thermal cracked, debutanized aromatic:

Germ cell mutagenicity- Assessment : Mutagenic effects in the germ cells of humans, without demonstration of transmission to progeny

Benzene:

Germ cell mutagenicity- Assessment : Positive result(s) from mutagenicity tests in mammals. Evidence that the substance has potential to cause mutations to germ cells

Toluene:

Germ cell mutagenicity- Assessment : Negative for genotoxicity using both in vitro and in vivo tests.

Carcinogenicity

May cause cancer.

Components:

Distillates (petroleum), light thermal cracked, debutanized aromatic:

Carcinogenicity - Assessment : Positive evidence from human epidemiological studies

Benzene:

Carcinogenicity - Assessment : Positive evidence from human epidemiological studies

Toluene:

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

ment

Reproductive toxicity

Suspected of damaging the unborn child.
May cause harm to breast-fed children.

Components:

Benzene:

Reproductive toxicity - Assessment : No toxicity to reproduction

Toluene:

Reproductive toxicity - Assessment : Studies indicating a hazard to babies during the lactation period
Some evidence of adverse effects on development, based on animal experiments.

STOT - single exposure

May cause respiratory irritation.
May cause drowsiness or dizziness.

Components:

Distillates (petroleum), light thermal cracked, debutanized aromatic:

Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

Benzene:

Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation., The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

Toluene:

Assessment : The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

STOT - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Components:

Distillates (petroleum), light thermal cracked, debutanized aromatic:

Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

Benzene:

Target Organs : Blood
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

Toluene:

Target Organs : Nervous system
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

Aspiration toxicity

May be fatal if swallowed and enters airways.

Components:

Distillates (petroleum), light thermal cracked, debutanized aromatic:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

Benzene:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

Toluene:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

11.2 Information on other hazards

Endocrine disrupting properties

Based on available data, the classification criteria are not met.

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

SECTION 12: Ecological information

12.1 Toxicity

Components:

Distillates (petroleum), light thermal cracked, debutanized aromatic:

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Benzene:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 5.3 mg/l
Exposure time: 96 HOURS

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): 10 mg/l
aquatic invertebrates Exposure time: 48 HOURS

Toxicity to algae/aquatic : EC50 (Pseudokirchneriella subcapitata (green algae)): 29 mg/l
plants Exposure time: 72 HOURS

Toxicity to fish (Chronic tox- : EC10: \geq 0.013 mg/l
icity) Exposure time: 27 d
Species: Oncorhynchus mykiss (rainbow trout)

LC50: 8.25 mg/l
Exposure time: 27 d
Species: Oncorhynchus mykiss (rainbow trout)

LOEC: 1.6 mg/l
Exposure time: 32 d
Species: Pimephales promelas (fathead minnow)

NOEC: 0.8 mg/l
Exposure time: 32 d
Species: Pimephales promelas (fathead minnow)

Toxicity to daphnia and other : NOEC: 2.97 mg/l
aquatic invertebrates (Chron- Exposure time: 7 DAY
ic toxicity) Species: Ceriodaphnia (water flea)

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Toluene:

Toxicity to fish : LC50 (Oncorhynchus kisutch): 5.5 mg/l
Exposure time: 96 HOUR

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Ceriodaphnia dubia): 3.78 mg/l Exposure time: 48 HOUR
Toxicity to algae/aquatic plants	:	NOEC (Pseudokirchneriella subcapitata): 10 mg/l Exposure time: 96 HOURS
Toxicity to microorganisms	:	EC50 (Nitrosomonas sp.): 84 mg/l Exposure time: 24 HOURS
Toxicity to fish (Chronic toxicity)	:	NOEC: 1.4 mg/l Exposure time: 40 DAY Species: Oncorhynchus kisutch
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC: 0.74 mg/l Exposure time: 7 DAY Species: Ceriodaphnia dubia

12.2 Persistence and degradability

Components:

Benzene:

Biodegradability	:	Result: Biodegradable Biodegradation: 63 - 96 %
Stability in water	:	Remarks: Hydrolyzes slowly.

Toluene:

Biodegradability	:	Result: Biodegradable Biodegradation: 80 %
------------------	---	---

12.3 Bioaccumulative potential

Components:

Benzene:

Bioaccumulation	:	Remarks: This material is not expected to bioaccumulate.
Partition coefficient: n-octanol/water	:	log Pow: 2.13

Toluene:

Bioaccumulation	:	Bioconcentration factor (BCF): 90 Remarks: This material is not expected to bioaccumulate.
Partition coefficient: n-octanol/water	:	log Pow: 2.69

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version 1.1 Revision Date: 05/11/2026 SDS Number: BEN255 Date of last issue: 05/08/2026
Date of first issue: 05/08/2026

12.4 Mobility in soil

Components:

Benzene:

Stability in soil : Remarks: Not expected to adsorb on soil.

Toluene:

Stability in soil : Remarks: Low potential for soil adsorption expected

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Components:

Benzene:

Assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Components:

Toluene:

Additional ecological information : No additional information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
After recovery of solvent dispose of residue as hazardous waste.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version 1.1 Revision Date: 05/11/2026 SDS Number: BEN255 Date of last issue: 05/08/2026
Date of first issue: 05/08/2026

Dispose of as hazardous waste in compliance with local and national regulations.
Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

SECTION 14: Transport information

14.1 UN number or ID number

ADN : UN 1268
ADR : UN 1268
RID : UN 1268
IMDG : UN 1268

14.2 UN proper shipping name

ADN :
ADR :
(,)
RID :
(Benzene, Toluene)
IMDG :
(,)

14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADN	: 3	CMR, F, N2
ADR	: 3	
RID	: 3	
IMDG	: 3	

14.4 Packing group

ADN
Packing group : II
Classification Code : F1
Labels : 3 (CMR, F, N2)

ADR
Packing group : II
Classification Code : F1
Hazard Identification Number : 33
Labels : 3
Tunnel restriction code : D/E

RID
Packing group : II

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

Classification Code : F1
Hazard Identification Number : 33
Labels : 3

IMDG

Packing group : II
Labels : 3
EmS Code : F-E, S-E

14.5 Environmental hazards

ADN

Environmentally hazardous : yes

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Regulatory basis : IBC Code
Product name : BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE
Ship type : 3
Pollution category : Y

SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
Number on list 3

Number on list 5: Benzene

Number on list 28: Benzene

Number on list 28: Distillates (petroleum), light thermal cracked, debutanized aromatic

Number on list 29: Distillates (petro-

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

leum), light thermal cracked, debutanized aromatic

Number on list 29: Benzene

Number on list 40

Number on list 48: Toluene

Number on list 72: Benzene

Number on list 75: If you intend to use this product as tattoo ink, please contact your vendor.

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Water hazard class (Germany) : WGK 3 highly hazardous to water
Classification according to AwSV, Annex 1 (5.2)

TA Luft List (Germany) : 5.2.7.1.1: Carcinogenic substance:
Class 1: 100 % Distillates (petroleum), light thermal cracked, debutanized aromatic
Class 2: 89 % Benzene

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 89 %

Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

The product is subject to the supply restrictions of the Ordinance on the Prohibition of Chemicals.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version 1.1 Revision Date: 05/11/2026 SDS Number: BEN255 Date of last issue: 05/08/2026
Date of first issue: 05/08/2026

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

The components of this product are reported in the following inventories:

TCSI	:	Not in compliance with the inventory
TSCA	:	All substances listed as active on the TSCA inventory
AIIC	:	On the inventory, or in compliance with the inventory
DSL	:	None of the components of this product are on the Canadian DSL, but all are on the NDSL Distillates (petroleum), light thermal cracked, debutanized aromatic
ENCS	:	Not in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
REACH	:	If the product has been purchased from Rotterdam Olefins & Polyolefins B.V., we confirm that the chemical substances in this product have been registered under REACH, in accordance with the deadlines set forth in REACH. (Regulation (EU) No. 1907/2006).
NZIoC	:	Not in compliance with the inventory
TECI	:	Not in compliance with the inventory
CH BAGREG	:	Not in compliance with the inventory
MXINSQ	:	Not in compliance with the inventory
NCI	:	Not in compliance with the inventory
UKREACH	:	Not in compliance with the inventory
KKDIK	:	Not in compliance with the inventory

15.2 Chemical safety assessment

SECTION 16: Other information

Full text of other abbreviations

2004/37/EC : Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens

SAFETY DATA SHEET



according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

AROMATIC C6 CUT

Version 1.1 Revision Date: 05/11/2026 SDS Number: BEN255 Date of last issue: 05/08/2026
Date of first issue: 05/08/2026

at work
2006/15/EC : Europe. Indicative occupational exposure limit values
DE DFG BAT : Germany. MAK BAT Annex XIII
DE DFG MAK : Germany. MAK BAT Annex IIa
DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.
DE TRGS 910 : Germany. TRGS 910 - Substance-specific acceptable and tolerable concentrations and equivalence values for carcinogenic hazardous substances.
TRGS 903 : TRGS 903 - Biological limit values
TRGS 910 : Germany. TRGS 910 - Substance-specific acceptable and tolerable concentrations and equivalence values for carcinogenic hazardous substances
2004/37/EC / TWA : Long term exposure limit
2006/15/EC / TWA : Limit Value - eight hours
2006/15/EC / STEL : Short term exposure limit
DE DFG MAK / MAK : MAK value
DE TRGS 900 / AGW : Time Weighted Average
DE TRGS 910 / Acceptable concentration : Acceptable concentration
DE TRGS 910 / Tolerable concentration : Tolerable concentration

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878



AROMATIC C6 CUT

Version	Revision Date:	SDS Number:	Date of last issue: 05/08/2026
1.1	05/11/2026	BEN255	Date of first issue: 05/08/2026

- Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

DE / EN