

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

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

1.1 Product identifier

Identification of the substance	Benzene-d6
Registration number (REACH)	this information is not available
CAS number	1076-43-3
Alternative name(s)	benzene-d6, C6D6

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

Relevant identified uses	general use
--------------------------	-------------

1.3 Details of the supplier of the safety data sheet

Zeochem AG Joweid 5, CH-8630 Rüti Switzerland	Telephone: +41 44 922 93 93 e-Mail: info@zeochem.com Website: https://www.zeochem.com
---	---

1.4 Emergency telephone number

Poison centre		
Country	Name	Telephone
Switzerland	Toxzentrum Zürich / Tox. Info Suisse	+41 44 251 51 51 / CH: 145 - 24h/7d
United States	CHEMTREC USA	+1 800 424 9300 - 24h/7d

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Category	Hazard class and category	Hazard statement
2.6	flammable liquid	2	Flam. Liq. 2	H225
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.5	germ cell mutagenicity	1B	Muta. 1B	H340
3.6	carcinogenicity	1A	Carc. 1A	H350
3.9	specific target organ toxicity - repeated exposure	1	STOT RE 1	H372
3.10	aspiration hazard	1	Asp. Tox. 1	H304
4.1C	hazardous to the aquatic environment - chronic hazard	3	Aquatic Chronic 3	H412

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure. The product is combustible and can

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

be ignited by potential ignition sources. Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- Signal word danger

2.2.1.2 Pictograms

GHS02, GHS07, GHS08	
---------------------	--

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
H340	may cause genetic defects
H350	may cause cancer
H372	causes damage to organs through prolonged or repeated exposure
H412	harmful to aquatic life with long lasting effects

Precautionary statements	
P201	obtain special instructions before use
P210	keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P260	do not breathe dust/fume/gas/mist/vapours/spray
P280	wear protective gloves/protective clothing/eye protection/face protection/hearing protection
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 sand, carbon dioxide or powder extinguisher to extinguish
P403+P235	store in a well-ventilated place. Keep cool

2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

SECTION 3: Composition/information on ingredients

3.1 Substances

Name of substance

Benzene-d6

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

Identifiers

CAS No	1076-43-3
EC No	214-061-8
Molecular formula	C6D6
Molar mass	84.2 g/mol

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Recommendations

Store in a dry place.

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Use local and general ventilation. Ground/bond container and receiving equipment.

- Specific designs for storage rooms or vessels

- Storage temperature

Recommended storage temperature: 6 - 15 °C
6 °C

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Ceiling-C [ppm]	Ceiling-C [mg/m ³]	Notation	Source
DE	benzene	71-43-2	CMR/GW	0.06	0.2					AR, H	TRGS 910
DE	benzene	71-43-2	MAK							H	DFG
DE	benzene	71-43-2	CMR/GW	0.6	1.9	4.8	15.2			TR, H	TRGS 910
ES	benzene	71-43-2	VLA	1	3.25					H	INSHT
EU	benzene	71-43-2	IOELV	1	3.25					H	2022/431/EU
FR	benzene	71-43-2	VME	1	3.25					H	INRS

Notation

AR	acceptable risk
Ceiling-C	ceiling value is a limit value above which exposure should not occur
H	absorbed through the skin
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TR	risk of tolerance
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

Biological limit values						
Country	Name of agent	Parameter	Notation	Identifier	Value	Source
DE	benzene	benzene	DE-1	BAEW	5 µg/l	TRGS 910
DE	benzene	S-phenylmercapturic acid	DE-1, crea	BAEW	25 µg/g	TRGS 910
DE	benzene	trans,trans-muconic acid	DE-1, crea	BAEW	500 µg/g	TRGS 910
DE	benzene	benzene	DE-2, smoker	BAEW	0.8 µg/l	TRGS 910
DE	benzene	S-phenylmercapturic acid	DE-2, smoker, crea	BAEW	3 µg/g	TRGS 910
DE	benzene	benzene	smoker	BAT (BAR)	0.3 µg/l	DFG
DE	benzene	S-phenylmercapturic acid	smoker, crea	BAT (BAR)	0.3 µg/g	DFG
DE	benzene	trans,trans-muconic acid	smoker, crea	BAT (BAR)	150 µg/g	DFG

Notation

crea	creatinine
DE-1	equivalence value for tolerable concentration
DE-2	equivalence value for acceptable concentration (at 4:10.000)
smoker	other values apply for smokers

Environmental values

Relevant PNECs and other threshold levels				
Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
PNEC	80 µg/l	aquatic organisms	freshwater	short-term (single instance)
PNEC	8 µg/l	aquatic organisms	marine water	short-term (single instance)
PNEC	39 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
PNEC	1.36 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
PNEC	0.136 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
PNEC	0.225 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

and air them well. 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.

- Type of material

Nitrile
IIR: isobutene-isoprene (butyl) rubber

- Breakthrough times of the glove material

>30 minutes (permeation: level 2)

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour	not determined
Odour	characteristic
Melting point/freezing point	5.49 °C at 1,013 hPa
Boiling point or initial boiling point and boiling range	80.1 °C at 1,014 hPa
Flammability	flammable liquid in accordance with GHS criteria
Lower and upper explosion limit	1.2 vol% - 7.8 vol%
Flash point	-11 °C at 1,014 hPa (closed cup)
Auto-ignition temperature	498 °C at 1,014 hPa (ECHA)
Decomposition temperature	not relevant
pH (value)	not determined
Kinematic viscosity	not determined
Solubility(ies)	not determined

Partition coefficient

Partition coefficient n-octanol/water (log value)	2.13 (pH value: 7, 25 °C) (ECHA)
---	----------------------------------

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

Vapour pressure	9.4 kPa at 20 °C
-----------------	------------------

Density and/or relative density

Density	0.95 g/cm ³ at 20 °C
Relative vapour density	information on this property is not available

Particle characteristics	not relevant (liquid)
--------------------------	-----------------------

9.2 Other information

Information with regard to physical hazard classes	there is no additional information
--	------------------------------------

Other safety characteristics

Temperature class (EU, acc. to ATEX)	T1 (maximum permissible surface temperature on the equipment: 450°C)
--------------------------------------	--

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". It's a reactive substance. The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.
GHS of the United Nations, annex 4: May be harmful if swallowed or if inhaled.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

May cause genetic defects.

Carcinogenicity

May cause cancer.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

Biodegradation

The substance is readily biodegradable.

12.3 Bioaccumulative potential

Data are not available.

n-octanol/water (log KOW)	2.13 (pH value: 7, 25 °C) (ECHA)
BCF	13 (ECHA)

12.4 Mobility in soil

Henry's law constant	542 Pa m ³ /mol at 25 °C
----------------------	-------------------------------------

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN	UN 1114
IMDG-Code	UN 1114
ICAO-TI	UN 1114

14.2 UN proper shipping name

ADR/RID/ADN	BENZENE
IMDG-Code	BENZENE
ICAO-TI	Benzene

14.3 Transport hazard class(es)

ADR/RID/ADN	3
IMDG-Code	3
ICAO-TI	3

14.4 Packing group

ADR/RID/ADN	II
IMDG-Code	II
ICAO-TI	II

14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information

Classification code	F1
Danger label(s)	3



Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
Transport category (TC)	2
Tunnel restriction code (TRC)	D/E
Hazard identification No	33

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant	-
Danger label(s)	3



Special provisions (SP)	-
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L
EmS	F-E, S-D
Stowage category	B

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Danger label(s)	3
-----------------	---



Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)			
Name of substance	Name acc. to inventory	CAS No	No
Benzene-d6	benzene	71-43-2	5
Benzene-d6	benzene	71-43-2	72
Benzene-d6	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		3
Benzene-d6	carcinogenic		28
Benzene-d6	germ cell mutagenic (mutagenic)		29
Benzene-d6	flammable / pyrophoric		40
Benzene-d6	substances in tattoo inks and permanent make-up		75

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

not listed

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

not listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

Pollutant release and transfer registers (PRTR)			
Name of substance	CAS No	Remarks	Threshold for releases to air (kg/year)
Benzene-d6	71-43-2	(11)	1 000

Legend

(11) Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded

Water Framework Directive (WFD)

List of pollutants (WFD)			
Name of substance	CAS No	Listed in	Remarks
Benzene-d6	71-43-2	b)	
Benzene-d6	71-43-2	c)	
Benzene-d6		a)	

Legend

- a) Indicative list of the main pollutants
- b) List of priority substances in the field of water policy
- c) Environmental Quality Standards for Priority Substances and certain other pollutants

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

Regulation concerning the export and import of hazardous chemicals (PIC)

Chemicals subject to the international prior informed consent (PIC) procedure (the 'PIC procedure').

Name of substance	CAS No	Category / subcategory	Use limitation
Benzene-d6	71-43-2	i(2)	sr
Benzene-d6		i(2)	sr

Legend

i(2) Sub-category: i(2) - industrial chemical for public use

sr Use limitation: severe restriction (for the sub-category or sub-categories concerned) according to Union legislation

Regulation on persistent organic pollutants (POP)

not listed

National inventories

Country	Inventory	Status
EU	REACH Reg.	substance is listed
US	TSCA	substance is listed (ACTIVE)

Legend

REACH Reg. REACH registered substances

TSCA Toxic Substance Control Act

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
1.1	Alternative name(s): benzene-d6	Alternative name(s): benzene-d6, C6D6	yes
1.3	Details of the supplier of the safety data sheet: Zeochem AG Joweid 5, CH-8630 Rüti Switzerland Telephone: +41 44 922 93 93 e-Mail: info@zeochem.com / info@zeochem.ch Website: https://www.zeochem.com	Details of the supplier of the safety data sheet: Zeochem AG Joweid 5, CH-8630 Rüti Switzerland Telephone: +41 44 922 93 93 e-Mail: info@zeochem.com Website: https://www.zeochem.com	yes
1.4		Poison centre: change in the listing (table)	yes
2.3	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.	yes
8.1		Occupational exposure limit values (Workplace Exposure Limits): change in the listing (table)	yes

Safety Data Sheet

Benzene-d6

According to Regulation (EC) No. 1907/2006 (REACH)

Version number: GHS 7.3
Replaces version of: 2023-05-23 (GHS 6)

Revision: 2025-06-12

Section	Former entry (text/value)	Actual entry (text/value)	Safety-relevant
8.1		Biological limit values: change in the listing (table)	yes
12.6	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0,1\%$.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.	yes

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H340	May cause genetic defects.
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.