



Benzene

Safety Data Sheet

according to Regulation (EC) No. 2015/830 (REACH)

Date of issue: 27/09/1999

Revision date: 03/08/2017

Version: 10.0

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

1.1. Product identifier

Chemical type : Substance
Name : Benzene
Trade name : Benzene
EC index no : 601-020-00-8
EC no : 200-753-7
CAS No : 71-43-2
REACH registration No. : 01-2119447106-44-0040
Product code : 11010043
Local code : 11010043
IUPAC : benzene
Chemical name : benzene
Formula : C₆H₆

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Industrial/Professional use spec : Manufacture of substance
Formulation of substance
Distribution of substance
Use as an intermediate

1.2.2. Uses advised against

No relevant data available

1.3. Details of the supplier of the safety data sheet

SLOVNAFT, a.s.
Vičie hrdlo 1
824 12 Bratislava - Slovakia
T +421-(0)2/4055-1111 - F +421-(0)2/5859-9759
slovnaftreach@slovnaft.sk - www.slovnaft.sk

1.4. Emergency telephone number

Emergency number : Podnikový dispečing 1: ++0421(0)2/4055 3344
Podnikový dispečing 2: ++0421(0)2/4055 2244
fax: ++0421(0)2/4055 8047
E-mail: podnikovydispecing1@slovnaft.sk, podnikovydispecing2@slovnaft.sk

Country	Organisation/Company	Address	Emergency number
SLOVAK REPUBLIC	Národné toxikologické informačné centrum FN s poliklinikou University Hospital Bratislava	Limbová 5 833 05 Bratislava	+421 2 54 77 4 166
HUNGARY	Országos Kémiai Biztonsági Intézet (National Institute of Chemical Safety) Egészségügyi Toxikológiai Tájékoztató Szolgálat (Health Toxicological Information Service)	1437 Budapest PO Box 839 1097 Budapest, Nagyvárad tér 2	+36-80-20-11-99
HUNGARY	Vegyipari Riasztási és Információs Központ (VERIK) FER TÚZOLTÓSÁG ÉS SZOLGÁLTATÓ KFT. (0-24 órás)	OLAJMUNKÁS ÚT. 2. 2433 Százhalombatta	+36-23-551-909
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital, Guy's & St Thomas' Hospital Trust	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Wolfson Unit	Penarth CF64 2XX Cardiff	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)
United Kingdom	NPIS Edinburgh (Scottish Poisons Information Bureau)0 Royal Infirmary of Edinburgh, Centre Hospitalier Universitaire Bab el Oued	51 Little France Crescent EH16 4SA Edinburgh	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Centre Hospitalier Universitaire de Constantine	Avonley Road SE14 5ER London	0870 243 2241
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Flam. Liq. 2 H225
Skin Irrit. 2 H315
Eye Irrit. 2 H319
Asp. Tox. 1 H304
Muta. 1B H340
Carc. 1A H350
STOT RE 1 H372

Full text of classification categories and H statements: see section 16

2.1.2. Adverse physicochemical, human health and environmental effects

No relevant data available

2.2. Label elements

2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazard statements (CLP) :

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 (Dermal, Inhalation, oral)
H350 - May cause cancer (Dermal, Inhalation, oral)
H372 - Causes damage to organs (haematopoietic system) through prolonged or repeated exposure (Dermal, Inhalation, oral)

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P243 - Take precautionary measures against static discharge
P280 - Wear eye protection, face protection, protective clothing, protective gloves
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P301+P310 - If swallowed, immediately call a doctor
P331 - Do NOT induce vomiting
P202 - Do not handle until all safety precautions have been read and understood

2.3. Other hazards

No relevant data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Name	Product identifier		% (w/w) Concentration (range)	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
	CAS No	EC no		
Benzene	71-43-2	200-753-7	>= 99.9	Flam. Liq. 2, H225 Carc. 1A, H350 Muta. 1B, H340 STOT RE 1, H372 Asp. Tox. 1, H304 Eye Irrit. 2, H319 Skin Irrit. 2, H315

Full text of H- and EUH-phrases: see section 16

3.2. Mixture

Not applicable

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Before attempting to rescue casualties, isolate area from all potential sources of ignition including disconnecting electrical supply
Ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry into confined spaces
Drench contaminated clothing with water before removing to avoid risk of sparks from static electricity.
- First-aid measures after inhalation : if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
If casualty is unconscious and:
Not breathing
Ensure that there is no obstruction to breathing and give artificial respiration by trained personnel
If necessary, give external cardiac massage and obtain medical advice
Breathing
Place in the recovery position
Administer oxygen if necessary
Obtain medical attention if casualty has an altered state of consciousness or if symptoms do not resolve.
- First-aid measures after skin contact : Remove contaminated clothing, contaminated footwear and dispose of safely
Wash affected area with soap and water
Seek medical attention if skin irritation, swelling or redness develops and persists
Do not wait for symptoms to develop
For minor thermal burns, cool the burn
Hold the burned area under cold running water for at least five minutes, or until the pain subsides
Body hypothermia must be avoided.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes
Remove contact lenses, if present and easy to do so
Continue rinsing
If irritation, blurred vision or swelling occurs and persists, obtain medical advice from a specialist.
- First-aid measures after ingestion : in case of ingestion, always assume that aspiration has occurred
The casualty should be sent immediately to hospital
Do not wait for symptoms to develop
Do not induce vomiting as there is high risk of aspiration
Do not give anything by mouth to an unconscious person.

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

- Symptoms/injuries after inhalation : Inhalation of vapours may cause headache, nausea, vomiting and an altered state of consciousness.
- Symptoms/injuries after skin contact : Symptoms: reddening, irritation.
- Symptoms/injuries after eye contact : Slight eye irritation.
- Symptoms/injuries after ingestion : Ingestion (swallowing) of this material may result in an altered state of consciousness and loss of coordination.

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

No relevant data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam (trained personnel only). Water fog (trained personnel only). Dry chemical powder. Carbon dioxide. Other inert gases (subject to regulations). Sand or earth.
- Unsuitable extinguishing media : Do not use direct water jets on the burning product; they could cause splattering and spread the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

5.2. Special hazards arising from the substance or mixture

- Reactivity : This substance is stable under all ordinary circumstances at ambient temperatures, and if released into the environment.

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5.3. Advice for firefighters

- Protection during firefighting : In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Other information : Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates, gases, including carbon monoxide.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Small spillages: normal antistatic working clothes are usually adequate
Large spillages: full body suit of chemically resistant and antistatic material
Work gloves providing adequate chemical resistance, specifically to aromatic hydrocarbons
Antistatic non-skid safety shoes or boots
Work helmet
Goggles and /or face shield, if splashes or contact with eyes is possible or anticipated
Respiratory protection:
a half or full-face respirator with filter(s) for organic vapours/H₂S, or a Self-contained Breathing Apparatus (SCBA) can be used according to the extent of spill and predictable amount of exposure. If the situation cannot be completely assessed, or if an oxygen deficiency is possible, only SCBA's should be used.
- Emergency procedures : Stop or contain leak at the source, if safe to do so
Avoid direct contact with released material
Stay upwind
In case of large spillages, alert occupants in downwind areas
Keep non-involved personnel away from the area of spillage. Alert emergency personnel
The feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency
Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fires, flares)
If required, notify relevant authorities according to all applicable regulations
Large spillages may be cautiously covered with foam, if available, to limit vapour cloud formation
If necessary dike the product with dry earth, sand or similar non-combustible materials
Do not use direct jets
When inside buildings or confined spaces, ensure adequate ventilation.

6.1.2. For emergency responders

No relevant data available

6.2. Environmental precautions

- Prevent product from entering sewers, rivers or other bodies of water, or underground spaces (tunnels, cellars, etc.)
Absorb spilled product with suitable non-combustible materials
Transfer collected product and other contaminated materials to suitable containers for recovery or safe disposal
In case of soil contamination, remove contaminated soil and treat in accordance with local regulations
In case of small spillages in closed waters, contain product with floating barriers or other equipment
Collect spilled product by absorbing with specific floating absorbents
If possible, large spillages in open waters should be contained with floating barriers or other mechanical means
Contain spillage – ventilate area and allow to evaporate
The use of dispersants should be advised by an expert, and, if required, approved by local authorities.

6.3. Methods and material for containment and cleaning up

- For containment : recommended measures are based on the most likely spillage scenarios for this material; however, local conditions (wind, air temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions
For this reason, local experts should be consulted when necessary
Local regulations may also prescribe or limit actions to be taken.

6.4. Reference to other sections

No relevant data available

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Obtain special instructions before use. Ensure that all relevant regulations regarding explosive atmospheres, and handling and storage facilities of flammable products, are followed. Risk of explosive mixtures of vapour and air. Keep away from heat/sparks/open flames/hot surfaces. Do not eat, drink or smoke when using this product. Avoid contact with the hot product. Avoid release to the environment. Take precautionary measures against static electricity. Ground/bond containers, tanks and transfer/receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. The vapour is heavier than air. Beware of accumulation in pits and confined spaces. Do not use compressed air for filling, discharging, or handling operations. Avoid contact with skin and eyes. Do not ingest. Do not breathe vapours. Use adequate personal protective equipment as required. Ensure that proper housekeeping measures are in place. Keep away from food and beverages. Wash the hands thoroughly after handling. Change contaminated clothes at the end of working shift.
- Handling temperature : 10 - 50 °C

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Before entering storage tanks and commencing any operation in a confined area, check the atmosphere for oxygen content and flammability. Light hydrocarbon vapours can build up in the headspace of containers. These can cause flammability / explosion hazards. Open slowly in order to control possible pressure release. Empty containers may contain flammable product residues. Do not weld, solder, drill, cut or incinerate empty containers, unless they have been properly cleaned.
- Storage conditions : Cleaning, inspection and maintenance of internal structure of storage tanks must be done only by properly equipped and qualified personnel as defined by national, local or company regulations.
- Storage temperature : 5 - 40 °C
- Prohibitions on mixed storage : KEEP SUBSTANCE AWAY FROM: (strong) acids. (strong) bases. Halogens. Heat sources. Oxidizing agents. Peroxides.
- Storage area : Use and store only outdoors or in a well-ventilated area. Storage area layout, tank design, equipment and operating procedures must comply with the relevant European, national or local legislation. Storage installations should be designed with adequate bunds in case of leaks or spills. Store separately from oxidising agents.
- Special rules on packaging : If the product is supplied in containers: Keep only in the original container or in a suitable container for this kind of product. Keep containers tightly closed and properly labelled. Protect from the sunlight.
- Packaging materials : Recommended materials: For containers, or container linings use materials specifically approved for use with this product. some synthetic materials may be unsuitable for containers or container linings depending on the material specification and intended use. Compatibility should be checked with the manufacturer.

7.3. Specific end use(s)

This substance is handled under Strictly Controlled Conditions in accordance with REACH regulation Article 17(3) for on-site isolated intermediates. In case the substance is transported to other sites for further processing, the substance should be handled at these sites under the Strictly Controlled Conditions as specified in REACH regulation Article 18(4). Site documentation to support safe handling arrangements including the selection of engineering, administrative and personal protective equipment controls in accordance with risk-based management systems is available at each manufacturing site. Written confirmation of application of Strictly Controlled Conditions has been received from every affected Distributor and Downstream Processor/User of the Registrant's intermediate.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Benzene (71-43-2)		
EU	IOELV TWA (mg/m ³)	3.25 mg/m ³
EU	IOELV TWA (ppm)	1 ppm
EU	IOELV STEL (mg/m ³)	16.25 mg/m ³
EU	IOELV STEL (ppm)	5 ppm

Benzene (71-43-2)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	234 mg/kg bodyweight/day
Acute - systemic effects, inhalation	3.25 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	0.234 mg/kg bodyweight
Acute - systemic effects, inhalation	0.00325 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	1.9 mg/l
PNEC aqua (intermittent, freshwater)	1.9 mg/l
PNEC (Sediment)	

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Benzene (71-43-2)	
PNEC sediment (freshwater)	33 mg/kg dwt
PNEC (Soil)	
PNEC soil	4.8 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	39 mg/l

8.2. Exposure controls

Appropriate engineering controls : Where hot product is handled in confined spaces, effective local ventilation must be provided.
Personal protective equipment : Gloves. Protective goggles. Protective clothing. Gas mask with filter type A.



Hand protection : Wear chemically resistant gloves (tested to EN374) in combination with specific activity training. Gloves must be periodically inspected and changed in case of wear, perforations or contaminations.

Eye protection : If contact is likely, a protection (protective shield and/or safety goggles) should be used.

Skin and body protection : Wear suitable coveralls to prevent exposure to the skin. Coveralls should be changed at the end of the work shift and cleaned as necessary to avoid transfer of product to clothes or underwear.

Respiratory protection : to avoid respiratory tract irritation inhalation exposure should be kept to a minimum,. If exposure levels cannot be determined or estimated with adequate confidence, or an oxygen deficiency is possible, only SCBA's should be used. If necessary, approved respiratory protection equipment shall be used when handling hot product in confined spaces: enclosed face mask with cartridge/filter type "A" or self-contained breathing apparatus (SCBA). Change filter cartridge on respirator daily.

Thermal hazard protection : None in normal conditions.

Environmental exposure controls : Store finished products in closed containers (e.g., bulk tanks, drums, cans);. Store all VOC-containing wastes in closed, secure containers (e.g., bulk tanks, intermediate bulk containers, drums). Incinerate, absorb, or adsorb vapours stripped from solution whenever necessary. Use vapour recovery units when necessary. Carefully handle the substance to minimise releases.

Consumer exposure controls : Substance registered as Isolated intermediate under SCC). This substance is handled under Strictly Controlled Conditions in accordance with REACH regulation Article 17(3) for on-site isolated intermediates. In case the substance is transported to other sites for further processing, the substance should be handled at these sites under the Strictly Controlled Conditions as specified in REACH regulation Article 18(4). Site documentation to support safe handling arrangements including the selection of engineering, administrative and personal protective equipment controls in accordance with risk-based management systems is available at each manufacturing site. Written confirmation of application of Strictly Controlled Conditions has been received from every affected Distributor and Downstream Processor/User of the Registrant's intermediate.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: aromatic odour.
Melting point	: 5.49 °C
Boiling point	: 80.09 °C
Flash point	: - 11 °C
Explosive limits (vol %)	: 1.1 - 9.5 vol %
Vapour pressure	: 10 kPa at 20 °C
Density	: 0.8765 g/m ³ at 20°C
Water solubility	: 1.88 g/l at 23,5 °C
Log Pow	: 2.13 at 25 °C
Auto-ignition temperature	: 498 °C
Viscosity	: 0.604 mPa.s at 25 °C

9.2. Other information

The above data are informative, accurate physical-chemical data of the product are specified on the product certificate.

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SECTION 10: Stability and reactivity

10.1. Reactivity

This substance is stable under all ordinary circumstances at ambient temperatures, and if released into the environment.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Contact with strong oxidizers (peroxides, chromates, etc.) may cause a fire hazard.

10.4. Conditions to avoid

They may be ignited by heat, sparks, static electricity or flames.

10.5. Incompatible materials

A mixture with nitrates or other strong oxidisers (e.g. chlorates, perchlorates, liquid oxygen) may create an explosive mass.

10.6. Hazardous decomposition products

Combustion (incomplete) will likely generate oxides of carbon, sulphur and nitrogen, as well as additional undetermined organic compounds of the same elements.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Benzene (71-43-2)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/kg

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation: : Not classified

Germ cell mutagenicity : May cause genetic defects (Dermal, Inhalation, oral).

Carcinogenicity : May cause cancer (Dermal, Inhalation, oral).

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Causes damage to organs (haematopoietic system) through prolonged or repeated exposure (Dermal, Inhalation, oral).

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

SECTION 12: Ecological information

12.1. Toxicity

Benzene (71-43-2)	
LC50 fish 1	5.3 mg/l
EC50 Daphnia 1	10 mg/l
LC50 fish 2	0.8 mg/l
LC50 other aquatic organisms 2	3 mg/l
EC50 other aquatic organisms 2	100 mg/l The 24 hour IC50 for nitrification

12.2. Persistence and degradability

Benzene (71-43-2)	
Persistence and degradability	Easily biodegradable (concerning to the criteria of the OECD).

12.3. Bioaccumulative potential

Benzene (71-43-2)	
Bioconcentration factor (BCF REACH)	1,1 20
Log Pow	2.13 at 25 °C
Log Kow	2.13
Bioaccumulative potential	Does not accumulate in organisms.

12.4. Mobility in soil

Benzene (71-43-2)	
Mobility in soil	85

12.5. Results of PBT and vPvB assessment

No relevant data available

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12.6. Other adverse effects

No relevant data available





SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives. Disposal must be done according to official regulations.
Waste treatment methods	: Contain and dispose of waste according to local regulations. External recovery and recycling of waste should comply with applicable local and/or national regulations. External treatment and disposal of waste should comply with applicable local and/or national regulations. Where possible (e.g. in the absence of relevant contamination), recycling of used substance is feasible and recommended.
Sewage disposal recommendations	: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
Waste disposal recommendations	: Clear up spills immediately and dispose of waste safely.
Additional information	: (*) Hazardous waste according to Directive 91/689/EEC. European Waste Catalogue code(s) (Decision 2001/118/CE): The final user has the responsibility for the attribution of the most suitable code, according to the actual use(s) of the material, contaminations or alterations.
Ecology - waste materials	: Hazardous waste. Avoid any discharge of the product into waste water. Disposal in high-temperature incinerator (> 1200 °C).
EWG (EURAL) code	: 07 06 04* - other organic solvents, washing liquids and mother liquors, 15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / AND

ADR	RID	ADN	IMDG	IATA
14.1. UN number				
1114	1114	1114	1114	1114
14.2. UN proper shipping name				
BENZENE	BENZENE	BENZENE	BENZENE	BENZENE
Transport document description				
UN 1114 BENZENE, 3, II, (D/E)	UN 1114 BENZENE, 3, II	UN 1114 BENZENE, 3, II	UN 1114 BENZENE, 3, II	UN 1114 BENZENE, 3, II
14.3. Transport hazard class(es)				
3 	3 	3	3 	3 
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
14.6. Classification code :				
F1	F1	F1		
14.7. Hazard identification number (Kemler No.)				
33	33			
14.8. Additional information				
Tunnel restriction code (ADR) : D/E		Number of blue cones/lights (ADN) : 1	EmS-No. (Fire) : F-E EmS-No. (Spillage) : S-D	PCA packing instructions (IATA) : 353 CAO packing instructions (IATA) : 364
No supplementary information available				

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Benzene - benzene
5. Benzene	Benzene - benzene
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Benzene - benzene

15.1.2. National regulations

Regional legislation

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP), REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), COMMISSION REGULATION (EU) No 605/2014 of 5 June 2014 amending, for the purposes of introducing hazard and precautionary statements in the Croatian language and its adaptation to technical and scientific progress, COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2. Chemical safety assessment

Chemical Safety Assessment : For this substance a chemical safety assessment has been carried out

SECTION 16: Other information

SDS changed items : Section 7.1 – data correction
Section 14 - new design

Data sources : LOA registration dossier. ESIS : European chemical Substances Information System.

Training advice : Before handling, storing or using the present substance for the first time, employees must be informed.

Full text of H- and EUH-phrases::

Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 1A	Carcinogenicity, Category 1A
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Muta. 1B	Germ cell mutagenicity, Category 1B
Skin Irrit. 2	Skin Corrosion/Irritation Category 2
STOT RE 1	Specific target organ toxicity — repeated exposure Category 1
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

Precautionary statements (CLP):

P210	Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P243	Take precautionary measures against static discharge
P280	Wear eye protection, face protection, protective clothing, protective gloves
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P301+P310	If swallowed, immediately call a doctor.
P331	Do NOT induce vomiting
P202	Do not handle until all safety precautions have been read and understood

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