



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

### **Benzocaine**

Version	Revision Date:	SDS Number	Date of last issue: -
2.0	01.12.2020	300000017069	Date of first issue: 01.12.2020

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

#### **1.1 Product identifier**

Trade name : Benzocaine

Substance name : Benzocaine

CAS-No. : 94-09-7

EC-No. : 202-303-5

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

Use of the Substance/Mixture : Chemical substance

#### **1.3 Details of the supplier of the safety data sheet**

Company : CCEU Sp. z o.o.  
ul. Ostatnia 45  
PL 60-102 Poznan

Telephone : +48 888 666 474

E-mail address of person responsible for the SDS : reach@cristalchem.com

#### **1.4 Emergency telephone number**

Poisons Control Centre Krakow  
Emergency telephone number : +48 12 411 99 99

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1

H317: May cause an allergic skin reaction.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard Pictograms

:



Signal word

: Warning

Hazards statements

: H317 May cause an allergic skin reaction

Precautionary statements

: **Prevention:**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves.

#### **Response:**

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

#### **Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

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#### 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.

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Substance name	: Benzocaine
EC-No.	: 202-303-5
Chemical nature	: organic

#### Hazardous Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)
Benzocaine	94-09-7 202-303-5	$\geq 90 - \leq 100$

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

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- |                         |  |
|-------------------------|--|
| General advice          | : Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.   |
| If inhaled              | : If unconscious, place in recovery position and seek medical advice.<br>If symptoms persist, call a physician.  |
| In case of skin contact | : If on skin, rinse well with water.   |
| In case of eye contact  | : Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persist, consult a specialist.   |
| If swallowed            | : Induce vomiting immediately and call a physician. Keep respiratory tract clear.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. |

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

- |          |  |
|----------|--|
| Symptoms | : Allergic appearance sensitising effects.   |
| Risks    | : May cause an allergic skin reaction.<br>There are at present no indications to further acute dangers for the health. |

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

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Treatment : Treat symptomatically.  
Elemental assistance.  
Decontamination.  
The toxilogical properties of this material have not been fully investigated.

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

Suitable extinguishing media : Use water spray, alcohol-resistant foam  
dry Chemical or car-bon dioxide.

Unsuitable extinguishing media : High volume water jet.

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

Specific hazards during firefighting : Fire will produce dense black smoke  
Containing hazardous combustion  
products ( see section 10).

#### **5.3 Advice for firefighters**

Special protective equipment for firefighters : In the event of fire, wear selfcontained  
breathing apparatus.

Further information : Standard procedure for Chemical fires.  
Use extinguishing measures that are  
appropriate to local circumstances and  
the surrounding environment.

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

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Personal precautions

- : Use personal protective equipment.
- Avoid dust formation.
- Avoid breathing dust.
- Knock down dust with water spray jet.

### **6.2 Environmental precautions**

Environmental precautions

- : Prevent product from entering drains.
- 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

- : Neutralize with chalk, alkali solution or ammonia.
- Keep in suitable, closed container for disposal.

### **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

- : Avoid formation of respirable particles.
- Do not breathe vapours/dust.
- Avoid exposure - obtain special instructions before use.
- Avoid contact with skin and eyes.

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For personal protection see section 8  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion

: Avoid dust information. Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures

: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers

: Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

Advice on common storage

: Do not store near acids.

Other data

: No decomposition if stored and applied as directed.

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#### 7.3 Specific end use(s)

Specific use(s) : see chapter 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Personal protective equipment

Eye protection	: Eye wash bottle with pure water. Tightly fitting safety goggles.
Hand protection Remarks	: The suitability for a specific workplace should be discussed with the producers of the protective gloves. Experience says that polychloroprene, nitrile rubber, butylrubber, fluoro-caoutchouc, and polyvinyl chloride are suitable as glove materials for protection against undissolved solids.
Skin and body protection	: Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory protection	: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
Filter type	: P3 filter.



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### **SECTION 9: Physical and chemical properties**

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

Apperance	: Crystalline powder
Colour	: White
Odour	: odourless
Odour Treshold	: No data avalaible
PH	: 3,5 (20 °C) Concentration: 0,5 %
Melting point range	: 88 - 92 °C
Melting point/boiling range	: No data avalaible
Flash point	: 112 °C
Flammability ( solid, gas)	: Combustible Solids
Upper explosion limit	: No data avalaible
Lower explosion limit	: No data avalaible
Vapour pressure	: No data avalaible
Relative density	: 5,71 ; Reference substance : Air
Density	: 1,17 g/cm3
Bulk density	: 320 kg/m3

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Solubility(ies) Water solubility : 1,310 g/l (30 °C)

Partition coefficient:  
noctanol/water : log Pow: 1,86

Auto-ignition temperature : 450 °C

Decomposition temperature : No data available

Viscosity, kinematic : Not applicable

Explosive properties : Not explosive

Oxidizing properties : not auto-flammable

### **9.2 Other information**

Molecular weight : 166,2 g/mol

Self-ignition : not auto-flammable

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No decomposition if stored and applied as directed.

### **10.2 Chemical stability**

No decomposition if stored and applied as directed.

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#### **10.3 Possibility of hazardous reaction**

Hazardous reaction : No decomposition if stored and applied as directed.  
Dust may form explosive mixture in air.

#### **10.4 Conditions to avoid**

: Heat, flames and sparks.

#### **10.5 Incompatible materials**

Materials to avoid : Strong oxidizing agents.  
Strong acids and strong bases.

#### **10.6 Hazardous decomposition products**

Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Nitrogen oxides (NO<sub>x</sub>)

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

#### **Acute toxicity**

#### **Components:**

#### **Benzocaine:**

Acute oral toxicity : LD<sub>50</sub> ( Rat, male and female ):  
3.042 mg/kg.

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Acute inhalation toxicity : Remarks: No data available.

Acute dermal toxicity : Remarks: No data available.

#### **Skin corrosion/irritation**

##### **Product**

Remarks: May cause skin irritation and/or dermatitis.

##### **Components:**

##### **Benzocaine:**

Remarks: No data available

#### **Serious eye damage/eye irritation**

##### **Product:**

Remarks: Product dust must be irritation to eyes, skin and respiratory system.

##### **Components:**

##### **Benzocaine:**

Remarks: No data available

#### **Respiratory or skin sensitisation**

##### **Product:**

Remarks: Causes sensitisation

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#### Components:

##### **Benzocaine:**

Result: May cause sensitisation by skin contact.

##### **Germ cell mutagenicity**

#### Components:

##### **Benzocaine:**

Genotoxicity in vitro : Remarks: No data available.

Genotoxicity in vivo : Remarks: No data available.

##### **Carcinogenicity**

#### Components:

##### **Benzocaine:**

Remarks: This information is not available.

##### **Reproductive toxicity**

#### Components:

##### **Benzocaine:**

Effects on fertility : Remarks: No data available.

Effects on foetal development : Remarks: No data available.

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#### **STOT – single exposure**

##### Components:

##### **Benzocaine:**

Remarks: No data available

#### **STOT – repeated exposure**

##### Components:

##### **Benzocaine:**

Remarks: No data available

#### **Repeated dose toxicity**

##### Components:

##### **Benzocaine:**

Remarks: No data available

#### **Aspiration toxicity**

##### Components:

##### **Benzocaine:**

Not applicable

#### **Further information**

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#### **Product:**

Remarks: no data available

### **SECTION 12: Ecological information**

#### **12.1 Toxicity**

##### **Components:**

##### **Benzocaine:**

Toxicity to fish	: (Fish): 111mg/l Exposure time: 96h Test Type: static test
Toxicity to daphnia and other Aquatic invertebrates	: Remarks: No data available
Toxicity to algae	: Remarks: No data available
Toxicity to microorganisms	: Remarks: No data available

#### **Ecotoxicology Assessment**

Acute Aquatic toxicity	: This product has no known ecotoxicological effects
Chronic Aquatic toxicity	: This product has no known ecotoxicological effects

#### **12.2 Persistence and degradability**

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#### **Components:**

##### **Benzocaine:**

Biodegradability	: Remarks: No data available
Biochemical Oxygen Demand (BOD)	: 77 mg/g
Chemical Oxygen Demand (COD)	: 1.473 mg/g

### **12.3 Bioaccumulative potential**

#### **Components:**

##### **Benzocaine:**

Bioaccumulation	: Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
Partition coefficient n-octanol/water	: log Pow 1,86

### **12.4 Mobility in soil**

No data available

### **12.5 Results of PBT and vPvB assessment**

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..
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#### 12.6 Other adverse effects

##### Product:

Additional Ecological information : No data available

##### Components:

##### **Benzocaine:**

Adsorbed organic bound halogens (AOX) : Remarks: Product does not contain any organic halogens.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.  
Do not dispose of with domestic refuse.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

## SECTION 14: Transport information

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#### **14.1 UN number**

Not regulated as a dangerous good

#### **14.2 UN proper shipping name**

Not regulated as a dangerous good

#### **14.3 Transport hazard class(es)**

Not regulated as a dangerous good

#### **14.4 Packing group**

Not regulated as a dangerous good

#### **14.5 Environmental hazards**

Not regulated as a dangerous good

#### **14.6 Special precautions for users**

Not applicable

#### **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable for product as supplied

### **SECTION 15: Regulatory information**

#### **15.1 Safety, health and Environmental regulations/legislation specific for the substance or Mixture**

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REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)

: Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

: Not applicable

REACH - List of substances subject to authorisation (Annex XIV)

: Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer

: Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants

: Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals

: Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

: Not applicable

Volatile organic compounds

: Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Remarks: Not applicable

Other regulations:

Act of 25 February 2011 on the Chemical Substances and Their Mixtures (consolidated text Dz. U. 2015, item 1203).

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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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Official Journal of the European Union L 353 from 31.12.2008) with further adaptation to technical progress (ATP 1-7).

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union L 396 from 30.12.2006, as amended).

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)

Ordinance of the Minister of Health of 10 August 2012 concerning the criteria and procedure of classification of chemical substances and their mixtures (consolidated text Dz. U. of 2015., pos. 208).

Ordinance of the Minister of Economy, Labour and Social Policy of 21st December 2005 concerning the basic requirements for personal protective equipment (Dz. U. Nr. 259, item 2173).  
Ordinance of the Minister of Labour and Social Policy of 6th June 2014 concerning the highest allowable concentrations and levels of the agents harmful for health in the workplace (OJ 2014 No. 0 pos 817).

Ordinance of the Minister of Health of 2nd February 2011 concerning tests and measurement of agents harmful for health in the workplace (Dz. U. Nr. 33, item 166).  
Ordinance of the Minister of Health of 30th December 2004 on the health and safety of workers related to chemical agents at work (Dz. U. from 2005, Nr. 11, item 86, as amended).  
Act of 14 December 2012. on Waste (Journal of Laws of 2013. pos. 21, as amended).

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Ordinance of the Minister of Environment of 9th December 2014 on Waste Catalog (Dz. U. 2014 item 1923).

Act of 13 June 2013. On packaging and packaging waste Journal. U. of 2013. Item. 888, as amended).

Ordinance of the Minister of Environment on the requirements for carrying out the process of thermal treatment of waste and how to deal with waste produced in the process. (Dz. U. of 2016., Pos. 108)

Act of 19 August 2011 on transport of dangerous goods (Dz. U. Nr. 227, item 1367, as amend-ed). Government Statement of 26 July 2005 on enforcing of changes Annexes A and B of European Agreement concerning international transport of dangerous goods by road (ADR) (Dz. U. Nr. 178, item 1481, as amended).

Ordinance of the Minister of Health of 20th April 2012 concerning labeling of containers of dangerous substances and dangerous mixtures and some mixtures ((consolidated text) Dz. U. z 2015 nr. 0 poz. 450).

Ordinance of the Minister of Health of 11th June 2012 concerning categories of dangerous substances and dangerous mixtures for which containers must be fitted with child-resistant fastenings and a tactile warning of danger (Dz. U. from 2012, item 688 as amended).

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

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

DSL	: All components of this product are on the Canadian DSL
AICS	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory

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ISHL : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

TCSI : On the inventory, or in compliance with the inventory

TSCA : On the TSCA inventory

### **15.2 Chemical safety assessment**

A chemical Safety Assessment is not required for this substance.

## **SECTION 16: Other information**

### **Full text of other abbreviations**

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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 Harmonized 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



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Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO – International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO – International Organisation for Standardization; 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 - Organization 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; TCSI - Taiwan Chemical Substance Inventory; TRGS – Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative.

### Further information

Sources key data to Compile the Safety Data sheet : The specifications are based on information by upstream suppliers.,  
 UMWELTBUNDESAMT  
[\[www.umweltbundesamt.de/wgs/wgs-index.htm\]](http://www.umweltbundesamt.de/wgs/wgs-index.htm), Environmental Health and Toxicology National Library of Medicine TOXNET.  
<http://sis.nlm.nih.gov/enviro.html>,  
 ECHA Classification and Labelling –  
[echa.europa.eu/de/view-article/-/journal\\_content/07005f81-abf1-4081-973b-6c7c526c39df](http://echa.europa.eu/de/view-article/-/journal_content/07005f81-abf1-4081-973b-6c7c526c39df), Safety data sheets by various manufacturers.

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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 guide 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.

PL / EN