

according to Regulation (EC) No. 1907/2006

| Product    | Version | Revision Date: | SDS Number   | Date of last issue: - |
|------------|---------|----------------|--------------|-----------------------|
| Benzocaine | 1.0     | 01.03.2021     | 300000017075 | Date of first issue:  |
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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 : QULE Sp. z o.o.

ul. Ostatnia 45 PL 60-102 Poznan

Telephone : +44 7459 562486

E-mail address of person : info@qlab.uk

responsible for the SDS

### 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, bioaccumula-tive 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.<br>EC-No. | Concentration (% w/w) |
|---------------|-------------------|-----------------------|
| Benzocaine    | 94-09-7           | >=90 - <=100          |
|               | 202-303-5         |                       |

### 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.

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.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persist, consult a specialist.

If swallowed : Induce vomiting immediately and call a

physician. Keep respiratory tract clear. Do not give milk or alcoholic beverages. 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.

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 toy illeginal properties of this

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.



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SECTION 6: Accidental release measures

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

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 spilage 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

ommonia.

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



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#### 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.

For personal protection see section 8
Smoking, eating and drinking should be prohibited in the ap-plication 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 con-centration 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 : Crystaline 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: : log Pow: 1,86

noctanol/water

Auto-ignition temperature : 450 °C

Decomposition temperature : No data avalaible

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 (CO2) Carbon monoxide Nitrogen oxides (NOx)

SECTION 11: Toxilogical information

### 11.1 Information on toxilogical effects

Acute toxicity

Components:

Benzocaine:

Acute oral toxicity : LD50 ( Rat, male and female ):

3.042 mg/kg.



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Acute inhalation toxicity : Remarks: No data avalaible.

Acute dermal toxicity : Remarks: No data avalaible.

Skin corrosion/irritation

Product

Remarks: May cause skin irritation and/or dermatitis.

Components:

Benzocaine:

Remarks: No data avalaible

Serious eye damage/eye irritation

Product:

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

Components:

Benzocaine:

Remarks: No data avalaible

Respiratory or skin sensitisation

Product:

Remarks: Causes sensitisation



Effects on foetal development

# **SAFETY DATA SHEET**

: Remarks: No data avalaible.

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| Components:           |              |                  |       |                           |
|                       |              |                  |       |                           |
| Benzocaine:           |              |                  |       |                           |
| Result: May cause so  | ensitisation | by skin contact. |       |                           |
| Germ cell mutagen     | icity        |                  |       |                           |
| Components:           |              |                  |       |                           |
| Benzocaine:           |              |                  |       |                           |
| Genotoxicity in vitro | )            |                  | : Rer | narks: No data avalaible. |
| Genotoxicity in vivo  | ,            |                  | : Rer | narks: No data avalaible. |
| Carcinogenicity       |              |                  |       |                           |
| Components:           |              |                  |       |                           |
| Benzocaine:           |              |                  |       |                           |
| Remarks: This inform  | mation is no | ot avalaible.    |       |                           |
| Reproductive toxic    | ity          |                  |       |                           |
| Components:           |              |                  |       |                           |
| Benzocaine:           |              |                  |       |                           |
| Effects on fertility  |              |                  | : Ren | narks: No data avalaible. |



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| STOT – single exposure     |
|----------------------------|
| Components:                |
| Benzocaine:                |
| Remarks: No data avalaible |
| STOT – repeated exposure   |
| Components:                |
| Benzocaine:                |
| Remarks: No data avalaible |
| Repeated dose toxicity     |
| Components:                |
| Benzocaine:                |
| Remarks: No data avalaible |
| Aspiration toxicity        |
| Components:                |
| Benzocaine:                |
| Not applicable             |
| Further information        |



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### Product:

Remarks: no data avalaible

### SECTION 12: Ecological information

### 12.1 Toxicity

### Components:

#### Benzocaine:

Toxicity to fish : (Fish): 111mg/1

Exposure time: 96h Test Type: static test

Toxicity to daphnia and other

Aquatic invertebrates

: Remarks: No data avalaible

Toxicity to algae : Remarks: No data avalaible

Toxicity to microorganisms : Remarks: No data avalaible

**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 avalaible

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 avalaible

### 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 avalaible

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 chemi-cal 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.



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### SECTION 14: Transport information

### 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



: Not applicable

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances,

preparations and articles (Annex XVII)

REACH - Candidate List of Substances of Very High

Concern for Authorisation (Article 59).

REACH - List of substances subject to authorisation

(Annex XIV)

Regulation (EC) No 1005/2009 on substances that

de-plete the ozone layer

Regulation (EC) No 850/2004 on persistent organic

pol-lutants

Regulation (EC) No 649/2012 of the European Parlia-ment and the Council concerning the export

and import of dangerous chemicals

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

substances.

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, Au-thorisation 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 (Cana-da); 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 Mari-time Organization; ISHL - Industrial Safety and Health Law (Japan); ISO -International Organisa-tion 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, Bioaccumu-lative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (O)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

information by upstream suppliers.,
UMWELTBUNDESAMT
[www.umweltbundesamt.de/wgs/wgs-index.htm], Enviromen-tal
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-abf1-4081973b-6c7c526c39df, Safety data

sheets by various manufacturers.

: The specifications are based on



according to Regulation (EC) No. 1907/2006

| Product    | Version | Revision Date: | SDS Number   | Date of last issue: - |
|------------|---------|----------------|--------------|-----------------------|
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