

IKA®-Werke GmbH &amp; CO. KG

79219 Staufen

Created: 10.01.2012, Revision 21.11.2011

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## 1 Identification of the substance / preparation and of the company

### 1.1 Product identifier

C 723 Benzoessäure

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

#### 1.2.1 Relevant uses

Chemical

#### 1.2.2 Uses advised against

None known.

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

#### Company

IKA®-Werke GmbH &amp; CO. KG

Janke & Kunkel-Str. 10  
79219 Staufen / GERMANY  
Phone +49 7633 831-0  
Fax +49 7633 831-98  
Homepage www.ika.de  
E-mail info@ika.de

#### Address enquiries to

#### Technical information

info@ika.de

#### Safety Data Sheet

sdb@chemiebuero.de

### 1.4 Emergency phone

#### Advisory body

+49 (0) 89-19240 (24h) (english)

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

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

##### Hazard pictograms



##### Signal word

WARNING

Acute Tox. 4 - H302 Harmful if swallowed.  
Eye Irrit. 2 - H319 Causes serious eye irritation.

Classification according to conversion table Annex VII 1272/2008/EC

#### 2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

##### Hazard symbols



Harmful

##### R-phrases

R 36: Irritating to eyes.  
R 22: Harmful if swallowed.

### 2.2 Label elements

#### Hazard pictograms



#### Signal word

WARNING

#### Contains:

Benzoic acid EINECS: 200-618-2

#### Hazard statements

H302 Harmful if swallowed.  
H319 Causes serious eye irritation.

#### Precautionary statements

P305 P351 P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### Special labelling

none

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### 2.3 Other hazards

**Physico-chemical hazards** In the supplied form the product is not explosive at all ; however the build-up of fine dust can lead to a risk of dust explosions.

**Other hazards** Further hazards were not determined with the current level of knowledge.

### 3 Composition / Information on ingredients

#### 3.1 Product-type:

The product in question is a substance.

Range [%]	Substance
100	Benzoic acid
	CAS: 65-85-0, EINECS/ELINCS: 200-618-2
	GHS/CLP: Eye Irrit. 2 - H319 - Acute Tox. 4 - H302
	EEC: Xn, R 36-22

**Comment on component parts** Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%. For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

#### 4.1 Description of first aid measures

**General information** Soaked clothings should be changed as soon as possible.

**Inhalation** Ensure supply of fresh air.

In the event of symptoms seek for medical treatment.

**Skin contact** When in contact with the skin, clean with soap and water.

Consult a doctor if skin irritation persists.

**Eye contact** In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

**Ingestion** Rinse out mouth and give plenty of water to drink.

Do not induce vomiting.

Supply with medical care.

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

No informations available.

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

Treat symptomatically.

### 5 Fire-fighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media** Foam, dry powder, water spray jet, carbon dioxide.

**Extinguishing media that must not be used** Full water jet.

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

Unknown risk of formation of toxic pyrolysis products.

#### 5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

Cool containers at risk with water spray jet.

Contain escaping vapours with water.

### 6 Accidental release measures

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

Use personal protective equipment (protective gloves, safety glasses, protective clothing).

Ensure adequate ventilation.

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**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**6.3 Methods and material for containment and cleaning up**

Take up mechanically. Avoid production of dust.

Dispose of absorbed material in accordance with the regulations.

**6.4 Reference to other sections**

See section 8+13

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

Provide vacuuming if dust raised.

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

Keep only in original tightly closed container.

Do not store with alkalis.

Store in a dry place.

Recommended storage temperature: 5-30 °C.

**7.3 Specific end use(s)**

See product use, section 1.2

**8 Exposure controls / personal protection****8.1 Control parameters**

Ingredients with occupational exposure limits to be monitored (GB) not applicable

**8.2 Exposure controls**

**Additional advice on system design** Ensure adequate ventilation on workstation.

**Eye protection** Safety glasses.

**Hand protection** Nitrile rubber, >480 min (EN 374).

The details concerned are recommendations. Please contact the glove supplier for further information.

**Skin protection** Protective clothing.

**Other** Do not breathe vapour/spray.

Avoid contact with eyes and skin.

Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.

Wash hands before breaks and after work.

Use barrier skin cream.

Provide washing facilities at the place of work.

Do not eat, drink, smoke or take drugs at work.

**Respiratory protection** Respiratory protection in the case of dust formation.

Short term: filter apparatus, filter P2.

**Thermal hazards**

not applicable

**Delimitation and monitoring of the environmental exposition**

See section 6+7.

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**9 Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form	solid
Color	white
Odor	characteristic
Odour threshold	No informations available.
pH-value	2,5 - 3,5 (sat.)
pH-value [1%]	not determined
Boiling point [°C]	249
Flash point [°C]	121 (c.c.)
Flammability [°C]	No informations available.
Lower explosion limit	No informations available.
Upper explosion limit	No informations available.
Oxidizing properties	No informations available.
Vapour pressure/gas pressure [kPa]	0,0001 (20°C)
Density [g/ml]	1,321
Bulk density [kg/m <sup>3</sup> ]	ca. 500
Solubility in water	2,9 g/L (25°C)
Partition coefficient [n-octanol/water]	In the event of symptoms seek for medical treatment.
Viscosity	No informations available.
Relative vapour density determined in air	4,21
Evaporation speed	No informations available.
Melting point [°C]	121 - 123
Autoignition temperature [°C]	No informations available.
Decomposition temperature	No informations available.

**9.2 Other information**

none

**10 Stability and reactivity****10.1 Reactivity**

No dangerous reactions known if used as directed.

**10.2 Chemical stability**

Stable under normal ambient conditions (ambient temperature).

**10.3 Possibility of hazardous reactions**

Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.

Reactions with strong alkalis and oxidizing agents.

Reactions with oxygen.

**10.4 Conditions to avoid**

Strong heating.

**10.5 Incompatible materials**

No informations available.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

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## 11 Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

LC50, inhalative, Rat: >12,2 mg/L (4h) (Lit.).
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LD50, dermal, Rabbit: >5000 mg/kg bw (IUCLID).
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LDLo, oral, Human: 500 mg/kg bw (RTECS).
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LD50, oral, Rat: 1700 mg/kg bw (IUCLID).
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<b>Serious eye damage/irritation</b>	Irritant (rabbit).
<b>Skin corrosion/irritation</b>	Slight irritant effect - does not require labelling.
<b>Respiratory or skin sensitisation</b>	not determined
<b>Specific target organ toxicity — single exposure</b>	not determined
<b>Specific target organ toxicity — repeated exposure</b>	not determined
<b>Mutagenicity</b>	Ames-test: negative.
<b>Reproduction toxicity</b>	not determined
<b>Carcinogenicity</b>	not determined
<b>General remarks</b>	

No classification on the basis of the calculation procedure of the preparation directive. The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

## 12 Ecological information

### 12.1 Toxicity

EC50, (24h), Daphnia magna: 102 mg/L (Lit.).
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LC50, (96h), Lepomis macrochirus: 44,6 mg/L (Lit.).
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### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	not determined
<b>Behaviour in sewage plant</b>	not determined
<b>Biological degradability</b>	The product is readily biodegradable to OECD criteria.

### 12.3 Bioaccumulative potential

not applicable

### 12.4 Mobility in soil

No informations available.

### 12.5 Results of PBT and vPvB assessment

not applicable

### 12.6 Other adverse effects

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials. No classification on the basis of the calculation procedure of the preparation directive.

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### 13 Disposal considerations

#### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

##### Product

Dispose of as hazardous waste.

##### Waste no. (recommended)

060106\*

##### Contaminated packaging

Uncontaminated packaging may be taken for recycling.

##### Waste no. (recommended)

150110\*  
150102  
150104

### 14 Transport information

#### 14.1 UN number

See section 14.2 in accordance with UN shipping name

#### 14.2 UN proper shipping name

Transport by land according to  
ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with  
IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

#### 14.3 Transport hazard class(es)

See section 14.2 in accordance with UN shipping name

#### 14.4 Packing group

See section 14.2 in accordance with UN shipping name

#### 14.5 Environmental hazards

See section 14.2 in accordance with UN shipping name

#### 14.6 Special precautions for user

Relevant information under section 6 to 8.

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

### 15 Regulatory information

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

EEC-REGULATIONS 1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

TRANSPORT-REGULATIONS DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2012).

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits with amendments October 2007.  
CHIP 3/ CHIP 4

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**15.2 Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**16 Other informations****16.1 R-phrases (section 03)**R 22: Harmful if swallowed.  
R 36: Irritating to eyes.**16.2 Hazard statements (section 03)**H319 Causes serious eye irritation.  
H302 Harmful if swallowed.**16.3 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 TLV®/TWA = Threshold limit value – time-weighted average  
 TLV®STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

**16.4 Other informations**

<b>Observe employment restrictions for people</b>	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
<b>VOC (1999/13/CE)</b>	not applicable
<b>Modified position</b>	none

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