

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

**CITRIC ACID MONOH.BP BBKA FD/R /BAG 25KG**

Version 3.0

Print Date 14.08.2012

Revision Date 29.08.2011

**1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : CITRIC ACID MONOH.BP BBKA FD/R /BAG 25KG  
Substance name : Citric acid, monohydrate  
CAS-No. : 5949-29-1  
EC-No. : 201-069-1

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

Use of the Substance/Mixture : At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.  
Recommended restrictions on use : At that time we do not yet have information on use restrictions. They will be included in this safety data sheet when available.

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

Company : Brenntag Nordic AB  
Koksgatan 18  
SE 20211 Malmoe  
Telephone : +46 (0)40-28 73 00  
Telefax : +46 (0)40-93 7015  
E-mail address : SDS.SE@brenntag-nordic.com  
Responsible/issuing person : Environment & Quality

**1.4. Emergency telephone number**

Emergency telephone number : In case of personal injury call:  
Denmark: 82 12 12 12 Giftlinien, Bispebjerg Hospital  
Finland: Poison Information Centre: (09) 471 977 (direct) or (09) 47 11 (exchange), open 24h/day  
Norway: 22 59 13 00 Giftinformasjonen (døgnåpent)  
Sweden: +46-8-331231 Giftinformationscentralen (24 hour service)  
Outside these countries: Please call your local emergency services

**2. Hazards identification****2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008

**REGULATION (EC) No 1272/2008**

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Hazard class	Hazard category	Target Organs	Hazard statements
Eye irritation	Category 2	---	H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Directive 67/548/EEC or 1999/45/EC	
Hazard symbol / Category of danger	Risk phrases
Irritant (Xi)	R36


For the full text of the R-phrases mentioned in this Section, see Section 16.

#### Most important adverse effects

- Human Health : See section 11 for toxicological information.
- Physical and chemical hazards : See section 9 for physicochemical information.
- Potential environmental effects : See section 12 for environmental information.

## 2.2. Label elements

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

- Hazard symbols : 
- Signal word : Warning
- Hazard statements : H319 Causes serious eye irritation.
- Precautionary statements
- Prevention : P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.
- Response : P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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P337 + P313  
 lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.

**Hazardous components which must be listed on the label:**

- || • Citric acid, monohydrate

**2.3. Other hazards**

For Results of PBT and vPvB assessment see section 12.5.  
 Avoid dust formation.  
 Dust may form explosive mixture in air.

**3. Composition/information on ingredients**

**3.1. Substances**

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)		Classification (67/548/EEC)
		Hazard class / Hazard category	Hazard statements	
<b>Citric acid, monohydrate</b>				
CAS-No. : 5949-29-1	>= 99,5	Eye Irrit.2	H319	Xi; R36
EC-No. : 201-069-1				
C&L-No. : 02-2119773813-30-0000				

For the full text of the R-phrases mentioned in this Section, see Section 16.  
 For the full text of the H-Statements mentioned in this Section, see Section 16.

**4. First aid measures**

**4.1. Description of first aid measures**

- If inhaled : Move to fresh air.
- In case of skin contact : Wash off with soap and water. Take off contaminated clothing and shoes immediately.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Remove contact lenses. Obtain medical

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attention.

If swallowed : Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

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

Symptoms : See Section 11 for more detailed information on health effects and symptoms.

Effects : See Section 11 for more detailed information on health effects and symptoms.

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

Treatment : No information available.

## 5. Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water, Foam

Unsuitable extinguishing media : No information available.

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

Specific hazards during firefighting : Dust may form explosive mixture in air. Fire may cause evolution of: Irritant gases/vapours

### 5.3. Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.

Further information : Cool closed containers exposed to fire with water spray.

## 6. Accidental release measures

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

Personal precautions : For personal protection see section 8.

### 6.2. Environmental precautions

Environmental precautions : Prevent product from entering drains. In case of large spillage contact the local authority.

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**6.3. Methods and materials for containment and cleaning up**

Methods and materials for containment and cleaning up : Stop the leakage if it can be done without danger. Shovel into suitable container for disposal. Avoid dust formation. Neutralize with chalk, alkali solution or ammonia.

**6.4. Reference to other sections**

See Section 1 for emergency contact information.  
See Section 8 for information on personal protective equipment.  
See Section 13 for waste treatment information.

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

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Do not breathe dust. Avoid contact with skin and eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene measures : Take off all contaminated clothing immediately. Smoking, eating and drinking should be prohibited in the application area.

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

Requirements for storage areas and containers : Keep tightly closed in a dry and cool place. Incompatible with strong bases and oxidizing agents.

Advice on protection against fire and explosion : Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

Storage temperature : 10 - 30 °C

**7.3. Specific end uses**

Specific use(s) : No information available.

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

Component:

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**Other OELs**

TLV (SE), Time Weighted Average (TWA);, dust and aerosol, organic  
5 mg/m<sup>3</sup>

**8.2. Exposure controls****Engineering measures**

Ensure adequate ventilation.

Provide appropriate exhaust ventilation at places where dust is formed.

Exposure may primarily be reduced by choice of working method and technical measures.

**Personal protective equipment***Respiratory protection*

Advice : Wear respiratory protection.  
Recommended Filter type:P

*Hand protection*

Advice : Protective gloves should be replaced at first signs of wear.  
Choose right chemical protection as:

Material : Nitrile rubber  
Break through time : > 480 min

Material : Natural Rubber  
Break through time : > 480 min

*Eye protection*

Advice : Safety glasses

*Skin and body protection*

Advice : Wear suitable protective clothing.

**Environmental exposure controls**

General advice : Prevent product from entering drains.  
In case of large spillage contact the local authority.

**9. Physical and chemical properties**

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

Form	:	powder
Colour	:	white
Odour	:	none
Odour Threshold	:	Currently we do not have any Information from our supplier about this.
pH	:	ca. 2,2 (7 g/l)
Melting point/range	:	ca. 100 °C
Boiling point	:	Currently we do not have any Information from our supplier about this.
Flash point	:	Currently we do not have any Information from our supplier about this.
Evaporation rate	:	Currently we do not have any Information from our supplier about this.
Flammability (solid, gas)	:	Currently we do not have any Information from our supplier about this.
Upper explosion limit	:	Currently we do not have any Information from our supplier about this.
Lower explosion limit	:	Currently we do not have any Information from our supplier about this.
Vapour pressure	:	Currently we do not have any Information from our supplier about this.
Relative vapour density	:	Currently we do not have any Information from our supplier about this.
Density	:	1,5 - 1,7 g/cm <sup>3</sup>
Water solubility	:	1000 g/l (25 °C)
Partition coefficient: n-octanol/water	:	Currently we do not have any Information from our supplier about this.
Ignition temperature	:	345 °C

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Thermal decomposition	:	Currently we do not have any Information from our supplier about this.
Viscosity, dynamic	:	Currently we do not have any Information from our supplier about this.
Explosivity	:	Currently we do not have any Information from our supplier about this.
Oxidizing properties	:	Currently we do not have any Information from our supplier about this.

**9.2. Other information**

Molecular Weight : 210,14 g/mol

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

Advice : Stable under recommended storage conditions.

**10.2. Chemical stability**

Advice : Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Hazardous reactions : No dangerous reaction known under conditions of normal use.

**10.4. Conditions to avoid**

Conditions to avoid : &gt; 35 °C

**10.5. Incompatible materials**

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

**10.6. Hazardous decomposition products**

Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as: Irritant gases/vapours

**11. Toxicological information**



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**11.1. Information on toxicological effects****Acute toxicity****Oral**

This material may be a slight health hazard if ingested in large quantities.

**Inhalation**

May have irritant effects.

**Irritation****Skin**

Result : Prolonged skin contact may cause skin irritation.

**Eyes**

Result : Severe eye irritation

**Component: Citric acid, monohydrate**

**CAS-No.  
5949-29-1**

**Acute toxicity****Oral**

LD50 : 3000 mg/kg (rat)

LD50 Oral : 5400 mg/kg (mouse)

**12. Ecological information****12.1. Toxicity**

**Component: Citric acid, monohydrate**

**CAS-No.  
5949-29-1**

**Acute toxicity**

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**Fish**

LC50	:	440 - 760 mg/l (Leuciscus idus (Golden orfe); 96 h)
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**Toxicity to daphnia and other aquatic invertebrates.**

EC100	:	120 mg/l (Daphnia magna; 72 h)
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**algae**

EC0	:	640 mg/l (Scenedesmus quadricauda (Green algae); 168 h)
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**Bacteria**

EC50	:	> 10000 mg/l (Pseudomonas putida)
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**12.2. Persistence and degradability**

<b>Component: Citric acid, monohydrate</b>	<b>CAS-No.</b>
	<b>5949-29-1</b>

**Persistence and degradability****Biodegradability**

Result	:	97 % (Exposure Time: 28 d)(OECD 301 B) Readily biodegradable
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**12.3. Bioaccumulative potential****Bioaccumulation**

Result	:	Does not bioaccumulate.
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**12.4. Mobility in soil****Mobility**

Result	:	The product is mobile in water environment.
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**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment**

Result : No information available.

**12.6. Other adverse effects****Additional ecological information**

Result : Do not flush into surface water or sanitary sewer system.

**13. Disposal considerations****13.1. Waste treatment methods**

- Product : Eliminate waste in conditions authorized by the regulations. Store waste in containers provided for this purpose. Do not dump in drains, water sheets or the ground.
- Contaminated packaging : Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
- European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

**14. Transport information**

Not dangerous goods for ADR, RID and IMDG.

**14.1. UN number**

|| Not applicable.

**14.2. UN proper shipping name**

Not applicable.

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

Not applicable.

**14.4. Packaging group**

Not applicable.

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

IMDG : Not applicable.

**15. Regulatory information**

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

Other regulations : Exposure limits accordance to local regulations

**15.2. Chemical Safety Assessment**

Currently we do not have any Information from our supplier about this.

**16. Other information**

**Full text of R-phrases referred to under sections 2 and 3.**

R36 Irritating to eyes.

**Full text of H-Statements referred to under sections 2 and 3.**

H319 Causes serious eye irritation.

|| Indicates updated section.

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The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.

The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text