

## SAFETY DATA SHEET

# BICARBONATE DE POTASSIUM

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### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1. Product identifier

Product name: BICARBONATE DE POTASSIUM

Commercial name : Potassium of hydrogenocarbonate

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

For Oenological fermentation

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

Company details: Institut Œnologique de Champagne  
Z.I. de Mardeuil – Allée de Cumières – BP 25  
51201 EPERNAY Cedex  
FRANCE  
Tel: + 33 (0) 3.26.51.96.00.  
Fax: + 33 (0) 3.26.51.02.20.  
[fds@ioc.eu.com](mailto:fds@ioc.eu.com)

#### 1.4. Emergency telephone number

112

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Not applicable

#### 2.2. Label elements

Not applicable

#### 2.3. Other hazards

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

Substance component(s) which may pose a health hazard : none

N° CAS : 298-14-6

N° CE : 206-059-0

#### 3.2. Mixtures

### SECTION 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

General advice:

No special precautions required.

In case of inhalation:

Move the person to fresh air. If symptoms persist, seek medical attention.

If on skin:

Wash with soap and water. If skin irritation persists, get medical attention.

If in eyes:

Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

If swallowed:

Rinse mouth with water and then drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, seek medical attention.

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

Symptoms:

See Chapter 11 for more detailed information on health effects and symptoms.

Effects:

No health risk is known or foreseeable under normal conditions of use. See Chapter 11 for more detailed information on health effects and symptoms

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

None. If any symptoms persist, seek medical attention.

### SECTION 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable extinguishing media: Use extinguishing media appropriate to local conditions and the surrounding environment. Unsuitable extinguishing media: High volume water jet

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

Specific hazards during fire fighting : Incomplete combustion may cause formation of toxic pyrolysis products

Hazardous combustion products: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)

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### 5.3. Advice for firefighters

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus. Adapt protective equipment to the size of the fire. Additional advice: Collect contaminated fire extinguishing water separately, do not discharge it into drains.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Personal precautions: Use personal protective equipment. Provide adequate ventilation. Avoid contact with skin and eyes..

### 6.2. Environmental precautions

Precautions for the protection of the environment : Do not discharge into surface water or sewers. Avoid penetration into the basement

### 6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment. Keep in suitable, closed containers for disposal. Further information : Treat recovered material according to section "Disposal considerations".

### 6.4. Reference to other sections

See Section 8 for disposal of the substance

## SECTION 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Advice on safe handling:

Keep container tightly closed. Provide adequate ventilation. Handle in accordance with good industrial hygiene practice and safety guidelines.

Hygiene measures:

Keep away from food, drink and animal feedingstuffs. Do not eat, smoke or drink in the work area. Wash hands before breaks and at the end of the work day. Take off all contaminated clothing immediately.

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

Requirements for storage areas and containers : Store in original container.

Advice on protection against fire and explosion: Usual preventive measures for fire protection.

Further information on storage conditions: Keep tightly closed in a dry and cool place.

Advice on common storage: Keep away from food, drink and animal feedingstuffs

### 7.3. Specific end use(s)

## SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### 8.1. Control parameters

Exposure limits : no limit / Biological limits: no limit.

### 8.2. Exposure controls

Respiratory protection

Advice: Necessary, if the exposure limit value is exceeded (e.g. TLV). Respiratory protection in accordance with EN 141. Particle filter: P2 Particle filter: P3.

Hand protection Advice: Protective gloves conforming to EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions in which the product is used, such as the risk of cuts, abrasion and contact time. Protective gloves must be replaced as soon as the first signs of wear appear. Material: Natural Rubber

Break through time:> = 8 h Glove thickness: 0.5 mm Material: Polyisoprene Break through time:> = 8 h Glove thickness: 0.5 mm

Material: Nitrile rubber Break through time:> = 8 h Glove thickness: 0.35 mm Material: butyl rubber Break through time:> = 8 h Glove thickness:

0.5 mm Material: Fluorinated rubber Break through time:> = 8 h Glove thickness: 0.4 mm Material: Polyvinyl chloride Break through time:> = 8 h

Glove thickness: 0.5 mm

Eye protection Advice: Safety glasses

Skin and body protection Advice: Safety clothing protective work

Environmental exposure controls General advice: Do not discharge into surface waters or sewers. Avoid penetration into the basement

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Apperance : white powder

Odour : odorless

Odour threshold : no data available

pH : 8.5 (100 g/L)

Melting / freezing point : no data available

Initial boiling point and boiling range : no data available

Flash point : no data available

Evaporation rate : no data available

Flammability (solid, gas) : no data available

Upper/lower flammability or explosive limits : no data available

Vapour pressure : no data available

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Vapour density: no data available

Relative density: no data available

Solubility(ies): 362 g/L (25°C)

Partition coefficient: n-octanol/water: no data available

Auto-ignition temperature: no data available

Decomposition temperature: no data available

Viscosity : no data available

Explosive properties: no data available

Oxidising properties: no data available

### 9.2. Other information

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No decomposition if the product is stored and used as prescribed

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

Develops carbon dioxide on contact with acids

### 10.4. Conditions to avoid

Avoid humidity

### 10.5. Incompatible materials

Acids

### 10.6. Hazardous decomposition products

Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Potassium oxides.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Oral LD50:> 2000 mg / kg (Rat, male and female) (OECD Test Guideline 401)

LC50:> 4.88 mg / l (Rat, male and female; 4.5 h; dust / mist) (OECD Test Guideline 403)

Dermal LD50:> 2000 mg / kg (Rabbit, male and female) (OECD Test Guideline 402)

Result: No skin irritation (Rabbit) (FDA-Guideline)

Result: No eye irritation (Rabbit) (FDA-Guideline)

Result: Does not cause skin sensitization. (Guinea pig) (OECD Test Guideline 406)

The substance or mixture is not classified as specific target organ toxicant, repeated exposure

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

Fish: LC50: 1300 mg / l (Oncorhynchus mykiss (rainbow trout); 96 h) (FIFRA Guideline 72-1)

Daphnia and other aquatic invertebrates: LC50: 630 mg / l (Ceriodaphnia dubia (flea d' water); 48 h) (US-EPA) LC50: 630 mg / l (Ceriodaphnia dubia (water flea); 24 h) (US-EPA) LC50: 650 mg / l (Daphnia magna (Water flea); 48 h) (US-EPA) LC50: 670 mg / l (Daphnia magna (Water flea); 24 h) (US-EPA).

### 12.2. Persistence and degradability

No data available.

### 12.3. Bioaccumulative potential

Bioaccumulation is not to be considered

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).

### 12.6. Other adverse effects

Do not discharge into surface water or drains. Avoid penetration into the basement

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Product: Disposal with normal waste is not permitted. Disposal as special waste is required in accordance with local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging: Contaminated packaging should be emptied as completely as possible and can then, after adequate cleaning, be recovered. If recycling is not possible, dispose of in accordance with local regulations.

European waste disposal number: No waste code from the European waste catalog can be assigned to this product, because only the use made by the user allows this assignment. The waste code is established in consultation with the recycling center

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### SECTION 14. TRANSPORT INFORMATION

**14.1. UN number**

Not relevant.

**14.2. UN proper shipping name**

No data available

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

No data available

**14.4. Packing group**

No data available

**14.5. Environmental hazards**

No data available

**14.6. Special precautions for user**

No data available

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

No data available

### SECTION 15. REGULATORY INFORMATION

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

Reg. EC 1272/2008 -This product is not required to be registered under REACH.

**15.2. Chemical safety assessment**

Not relevant.

### SECTION 16. OTHER INFORMATION

Compliance with Regulation (EU) No 453/2010 of 20 May 2010

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