



## Safety Data Sheet

According to Regulation (EC) 1907/2006

### 1637 Sodium Benzoate

#### 1. Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Name:

Sodium Benzoate

##### Synonym:

Benzenecarboxylic Acid Sodium Salt, Benzoic Acid Sodium Salt, Phenylformic Acid Sodium Salt

**CAS:** [532-32-1]

**REACH Registration Number:** 01-2119460683-35-XXXX

##### 1.2 Relevant identified uses of the substance or mixture:

Industrial.

Professional

##### 1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: [product.safety@panreac.com](mailto:product.safety@panreac.com)

##### 1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

#### 2. Identification of dangers

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

**Classification Regulation (CE) n° 1272/2008.**

Eye Irrit. 2

**Classification (67/548/CEE or 1999/45/CE).**

**Xi** Irritant

R36

## **2.2 Label elements:**

### **Hazard Pictograms**



### **Signal word**

Warning

### **Hazard statements**

H319 Causes serious eye irritation.

### **Precautionary statements**

P264 Wash...thoroughly after handling.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

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

P337+P313 If eye irritation persists: Get medical advice/attention.

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

## **2.3 Other hazards:**

No further relevant information available.

## **3. Composition/information on ingredients**

Name: Sodium Benzoate

Formula:  $\text{C}_6\text{H}_5\text{COONa}$  M.= 144,10 CAS [532-32-1]

EC number (EINECS): 208-534-8

REACH Registration Number: 01-2119460683-35-XXXX

## **4. First aid measures**

### **4.1 General indications:**

Never provide drink or induce vomiting in the event of loss of consciousness.

### **4.2 Inhaling:**

Take the person out into the fresh air. In case of loss of consciousness, position the person lying on his/her side. Seek immediate medical assistance. In the event sickness persists, seek medical assistance.

#### **4.3 Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing. In the event of irritation, seek medical assistance.

#### **4.4 Eyes:**

Wash with plenty of water (for at least 15 minutes), keeping eyelids open.

#### **4.5 Swallowing:**

Wash mouth out immediately. In the event of sickness, seek medical assistance.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

### **5. Firefighting measures**

#### **5.1 Suitable extinguishing media:**

Atomized water. Carbon dioxide (CO<sub>2</sub>). Alcohol resistant foam. Dry powder.

#### **5.2 Unsuitable extinguishing media:**

No specific data.

#### **5.3 Special hazards arising from the substance or mixture:**

Risk of explosion of dust. Auf Rückzündung achten Prevent the build-up of static. In the event of fire, toxic fumes may form: CO y CO<sub>2</sub>.

#### **5.4 Advice for firefighters:**

Use complete protective equipment. Self-contained breathing equipment.

### **6. Accidental release measures**

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

Avoid breathing dust, fume, gas, mist, vapours or spray. Use personal protective equipment as required. Ensure good ventilation and renewal of the air in the premises. Avoid sources of ignition. Do not smoke.

#### **6.2 Environmental precautions:**

Avoid pollution of the soil, water supplies and drains.

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

Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

### **7. Handling and storage**

#### **7.1 Precautions for safe handling:**

Ensure good ventilation and renewal of the air in the premises. Do not inhale the dust. Avoid the formation of electrostatic charges. Use personal protective equipment as required. Avoid sources of ignition. Do not smoke. The gases/fumes can form explosive mixtures with the air.

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

Well sealed containers. In a cool, dry, well ventilated place. Away from sources of ignition and heat.

## **8. Exposure controls/personal protection**

### **8.1 Exposure controls:**

Ensure good ventilation and renewal of the air in the premises.

### **8.2 Control parameters:**

#### **Derived No Effect Level (DNEL)**

Workers Dermal, long exposure (systemic): 34,7mg/kg bw/24h

Workers Dermal, long exposure (local): 4,5mg/cm<sup>2</sup>

Workers Inhalation, long term (systemic): 10,4 mg/m<sup>3</sup>

Workers Inhalation, long term (local): 6,3 mg/m<sup>3</sup>

Population, oral, long term (systemic): 25mg/kg bw/24h

Population Inhalation, long term (systemic): 2,1 mg/m<sup>3</sup>

Population, Dermal, long exposure (systemic): 20,8mg/kg bw/24h

Population, Dermal, long exposure (local): 2,7mg/cm<sup>2</sup>

Population Inhalation, long term (local): 1,3 mg/m<sup>3</sup>

### **8.3 Respiratory protection:**

If dust forms, use suitable respiratory protection. Filter P2.

### **8.4 Hand protection:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact gloves made of the following materials are suitable:**

**Material:** Butyl rubber., nitrile, neopren, PVC, Fluorocarbon rubber (Viton)

Breakthrough time:  $\geq$  480 min.

### **8.5 Eye/face protection:**

Use safety glasses.

### **8.6 Individual hygiene measures:**

Remove contaminated clothing. Wash hands before breaks and when the job is done.

### **8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

## **9. Physical and chemical properties**

Appearance: solid  
Colour: White  
Granulometry: N/A  
Odour: Odourless.  
pH: 9 ((10% sol.))  
Melting point/freezing point: 436 °C  
Initial boiling point and boiling range: 465 °C  
Flash point: > 100 °C  
Flammability (solid, gas):  
N/A  
Upper/lower flammability or explosive limits:  
N/A  
Vapour pressure: N/A  
Vapour density: N/A  
Relative density:

Insertar Aquí Grupo de repetición

1,5 g/ml (20 °C)  
Solubility: 556 g/l in water ( 20 °C )  
Partition coefficient: n-octanol/water: - 2,27  
Auto-ignition temperature: >500 °C  
Decomposition temperature: N/A  
Kinematic viscosity: N/A  
Dynamic viscosity:  
N/A

## **10. Stability and reactivity**

### **10.1 Conditions to avoid:**

Humidity.

### **10.2 Incompatible materials:**

Acids. Oxidant agents.

### **10.3 Hazardous decomposition products:**

No specific data.

### **10.4 Chemical stability:**

The product is chemically stable under standard ambient conditions (room temperature).

## **11. Toxicological information**

### **11.1 Acute toxicity:**

LD50 oral rat : > 2.000 mg/kg  
LD50 skin rabbit : > 2.000 mg/kg  
LC50 inh rat : >12,2 mg/l

### **11.2 Dangerous effects for health:**

**Skin corrosion/irritation:** Not classified., (OECD 404) **Serious eye damage/irritation:** Serious injuries, (OECD 405) **Respiratory or skin sensitisation:** Not classified. **Germ cell mutagenicity:** Not classified. **Carcinogenicity:** Not classified. **Reproductive toxicity:** Not classified. **STOT-single exposure:** Not classified. **STOT-repeated exposure:** Not classified. **Aspiration hazard:** Not classified.

## **12. Environmental information**

## **12.1 Toxicity:**

### **Acute toxicity for fish:**

LC50 >100 mg/l (96h) (OECD 203)

### **Acute toxicity for aquatic invertebrates:**

EC50 (Daphnia magna) >100 mg/l (48h) (OECD 202)

### **Acute toxicity for bacteria:**

EC50 >100 mg/l (24h)

### **Chronic toxicity for aquatic invertebrates:**

NOEC (Daphnia magna) 51 mg/l (21d) (OECD 211)

### **Chronic toxicity for Algae:**

EC50 >100 mg/l (72h) (OECD 201)

## **12.2 Persistence and Degradability :**

Easily biodegradable product.

## **12.3 Bioaccumulative potential:**

log Pow = -2,27

## **12.4 Mobility in soil :**

Data not available.

## **12.5 Assessment PBT and MPMB :**

According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Does not meet the criteria for PBT (persistent / bioaccumulative / toxic).

According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Does not meet the criteria vPvB (very persistent / very bioaccumulative).

## **12.6 Other adverse effects:**

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

# **13. Disposal considerations**

## **13.1 Waste treatment methods:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

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## **13.2 Contaminated containers:**

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

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# **14. Transport information**

Not classified as dangerous in the meaning of transport regulations.

## **15. Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

For this product a chemical safety assessment was carried out.

## **16. Other information**

### **Other precautionary statements**

### **Labelling (65/548/CEE or 1999/45/CE)**

R-phrase(s):     **R36** Irritating to eyes.

S-phrase(s):

Version and revision date : 5 21.10.2013

Replaced: 15.09.2011

In respect of the previous review, changes have been made to the following sections: 2, 8, 11, 12

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.