

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

SODIUM BENZOATE

Version 2.0

Print Date 2013/02/05

Revision date / valid from 2013/02/05

MSDS code: MNAB100

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : SODIUM BENZOATE
Substance name : Sodium benzoate
CAS-No. : 532-32-1
EC-No. : 208-534-8

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.
Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company : Brenntag UK & Ireland
Albion House, Rawdon Park
GB LS19 7XX Leeds Yeadon
Telephone : +44 (0) 113 3879 200
Telefax : +44 (0) 113 3879 280
E-mail address : msds@brenntag.co.uk

1.4. Emergency telephone number

Emergency telephone number : Emergency only telephone number (open 24 hours):
+44 (0) 1865 407333 (N.C.E.C. Culham)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Most important adverse effects

Human Health : See section 11 for toxicological information.
Physical and chemical hazards : See section 9 for physicochemical information.

SODIUM BENZOATE

Potential environmental effects : See section 12 for environmental information.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Other labelling information:

Further information : Handle in accordance with good industrial hygiene and safety practice.

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.
The product does not need to be labelled in accordance with EC directives or respective national laws.

Section 3: Composition/information on ingredients

3.1. Substances

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

Non-hazardous component

Chemical Name	Identification Number	Amount [%]
Sodium benzoate	CAS-No. : 532-32-1	>= 99
	EC-No. : 208-534-8	
	C&L-No. : 02-2119752847-24-0000	

Section 4: First aid measures

4.1. Description of first aid measures

If inhaled : If breathed in, move person into fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Consult a physician.

In case of skin contact : Wash off with soap and plenty of water. Consult a physician.

In case of eye contact : Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes. Consult a physician.

SODIUM BENZOATE

If swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult 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 : Treat symptomatically.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO₂)
 Unsuitable extinguishing media : No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Incomplete combustion may form toxic pyrolysis products.

5.3. Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment.
 Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Avoid dust formation. Do not breathe gas/fumes/vapour/spray. Ensure adequate ventilation. Avoid breathing dust.

6.2. Environmental precautions

Environmental precautions : Do not let product enter drains.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SODIUM BENZOATE

Further information : Treat recovered material as described in the section "Disposal considerations".

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.

Section 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Avoid contact with the skin and the eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. 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 only in the original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

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

7.3. Specific end use(s)

Specific use(s) : No information available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Other Occupational Exposure Limit Values

(Additional) Information : Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Personal protective equipment

Respiratory protection

Advice : In case of insufficient ventilation, wear suitable respiratory equipment.

Filter Type : P1 filter

SODIUM BENZOATE

Filter Type : ABEK-filter

Hand protection

Advice : Protective gloves complying with EN 374.
Usage is recommended.
Gloves must be inspected prior to use.
Avoid skin contact
After using gloves clean and dry hands thoroughly
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
impervious clothing

Eye protection

Advice : Safety goggles

Skin and body protection

Advice : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Environmental exposure controls

General advice : Do not let product enter drains.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form : powder

Colour : white

Odour : no data available

Odour Threshold : no data available

pH : 7.0 - 8.5 (144.1 g/l; 25 °C)

Melting point/range : > 300 °C

Boiling point : no data available

Flash point : > 100 °C (Method: closed cup)

Evaporation rate : no data available

Flammability (solid, gas) : no data available

SODIUM BENZOATE

Upper explosion limit	:	not applicable
Lower explosion limit	:	not applicable
Vapour pressure	:	< 0.01 hPa (20 °C)
Relative vapour density	:	not applicable, (Air = 1.0)
Relative density	:	1.440 (25 °C; Reference: (water = 1))
Water solubility	:	144.1 g/l
Partition coefficient: n-octanol/water	:	log Kow -2.13
Auto-ignition temperature	:	800 °C
Thermal decomposition	:	no data available
Viscosity, dynamic	:	no data available
Explosivity	:	no data available
Oxidizing properties	:	no data available

9.2. Other information

No further information available.

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

Advice : No information available.

10.2. Chemical stability

Advice : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : No information available.

10.4. Conditions to avoid

Conditions to avoid : Avoid moisture.

10.5. Incompatible materials

Materials to avoid : Strong oxidizing agents

10.6. Hazardous decomposition products

Hazardous decomposition products : Carbon oxides, Sodium oxide

SODIUM BENZOATE

Section 11: Toxicological information

11.1. Information on toxicological effects

Further information

Other relevant toxicity information : Handle in accordance with good industrial hygiene and safety practice.

Experience with human exposure : Health injuries are not known or expected under normal use.

Component:	Sodium benzoate	CAS-No.
		532-32-1

Acute toxicity

Oral

LD50 Oral : 2100 mg/kg (rat)

LD50 Oral : 4070 mg/kg (rat)

Inhalation

no data available

Dermal

no data available

Irritation

Skin

Result : No skin irritation (rabbit) (OECD Test Guideline 404)

Eyes

Result : Mild eye irritation (rabbit)

Sensitisation

Result : no data available

CMR effects

CMR Properties

SODIUM BENZOATE

Carcinogenicity : It is not considered carcinogenic.

Specific Target Organ Toxicity

Single exposure

remark : no data available

Repeated exposure

remark : no data available

Other toxic properties

Aspiration hazard

no data available

Section 12: Ecological information

12.1. Toxicity

Component:	Sodium benzoate	CAS-No.
		532-32-1

Acute toxicity

Fish

LC50 : 484 mg/l (Pimephales promelas (fathead minnow); 96 h) (Toxicity to fish)

Toxicity to daphnia and other aquatic invertebrates

650 mg/l (Daphnia magna (Water flea); 48 h) (Toxicity to daphnia)

algae

no data available

12.2. Persistence and degradability

Component:	Sodium benzoate	CAS-No.
		532-32-1

Persistence and degradability

Persistence

SODIUM BENZOATE

Result : no data available

Biodegradability

Result : 84 - 90 % (OECD 301)
Readily biodegradable.

12.3. Bioaccumulative potential

Component:	Sodium benzoate	CAS-No.
		532-32-1

Bioaccumulation

Result : no data available

12.4. Mobility in soil

Component:	Sodium benzoate	CAS-No.
		532-32-1

Mobility

: no data available

12.5. Results of PBT and vPvB assessment

Component:	Sodium benzoate	CAS-No.
		532-32-1

Results of PBT and vPvB assessment

Result : no data available

12.6. Other adverse effects

Additional ecological information

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

Component:	Sodium benzoate	CAS-No.
		532-32-1

Additional ecological information

SODIUM BENZOATE

Result : no data available

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

- Product : Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of in accordance with local regulations.
- Contaminated packaging : Dispose of as unused 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.

Section 14: Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

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.

Section 15: Regulatory information

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

PLONOR : Sodium benzoate: Listed

15.2. Chemical Safety Assessment

no data available

Section 16: Other information**Further information**

Other information : 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

|| Indicates updated section.