

## MATERIAL SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Identification of the substance	Sodium benzoate
CAS number	532-32-1
Alternative name(s)	sodium benzoate
Article number	A0001358

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

Relevant identified uses General use

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

Supplier: Elchemy

Company Address: A-448, Pocket 2, Sector 8, Rohini, New Delhi, Pin Code: 110085, India

Company Web Site: [www.elchemy.com](http://www.elchemy.com)

Emergency Phone Number: +919867099519 (24 Hrs)

Email Id: [info@elchemy.com](mailto:info@elchemy.com)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification acc. to GHS



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Section	Hazard class	Category	Hazard class and category	Hazard statement
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319

For full text of abbreviations: see SECTION 16.

## 2.2 Label elements

Labelling

- Signal word: warning
- Pictograms: GHS07
- Hazard statements: H319 Causes serious eye irritation.
- Precautionary statements:

P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.

## 2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Name of substance	Sodium benzoate
Identifiers	
CAS No	532-32-1
EC No	208-534-8



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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

none



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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water, Foam, Alcohol resistant foam, ABC-powder

#### Unsuitable extinguishing media

Water jet

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

#### Hazardous combustion products

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

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Remove persons to safety.

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.



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## 6.3 Methods and material for containment and cleaning up

### Advice on how to contain a spill

Covering of drains, Take up mechanically

### Advice on how to clean up a spill

Take up mechanically.

### Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

## 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

7.1 Precautions for safe handling
Recommendations
- Measures to prevent fire as well as aerosol and dust generation
Use local and general ventilation. Use only in well-ventilated areas. Ground/bond container and receiving equipment.
- Specific notes/details
Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feeding stuffs.



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## 7.2 Conditions for safe storage, including any incompatibilities

### Managing of associated risks

- Explosive atmospheres  
Removal of dust deposits.

### Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

## 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

This information is not available.

### Human health values

Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
DNEL	3 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
DNEL	0.1 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
DNEL	62.5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

### Environmental values

Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
PNEC	0.13 mg/	aquatic organisms	freshwater	short-term (single instance)



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PNEC	0.013 mg/	aquatic organisms	marine water	short-term (single instance)
PNEC	10 mg /	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
PNEC	1.76 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
PNEC	0.176 mg/kc kg	aquatic organisms	marine sediment	short-term (single instance)
PNEC	0.06 mg/kg	terrestrial organisms	soil	short-term (single instance)

## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Sodium benzoate

**Version number:** GHS 1.0

**Date of compilation:** 2022-07-07

### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Skin protection

- **Hand protection** Wear protective gloves.
- **Other protection measures** Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.



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## Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	solid
Colour	white
Odour	characteristic
Melting point/freezing point	436 °C at 1,013 hPa
Boiling point or initial boiling point and boiling range	not determined
Flammability	this material is combustible, but will not ignite readily
Lower and upper explosion limit	not determined
Flash point	not applicable
Auto-ignition temperature	not determined
Decomposition temperature	>450 - <475 °C at 1,013 hPa (ECHA)
pH (value)	8
Kinematic viscosity	not relevant

### Solubility(ies)

Water solubility 556 g/l

### Partition coefficient

Partition coefficient in-octanol/water (log value) 1.88 (ECHA)



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**Vapour pressure** not determined

### **Density and/or relative density**

Density 1.5 g/ cm<sup>3</sup> at 20 °C

Relative vapour density information on this property is not available

Particle characteristics no data available

### **9.2 Other information**

Information with regard to physical hazard hazard classes acc. to GHS (physical hazards): classes not relevant

### **Other safety characteristics**

Surface tension	72.9 mN/ (20 °C) (ECHA)
Solvent content	100 %
Solid content	100 %

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### **10.2 Chemical stability**

See below "Conditions to avoid".

### **10.3 Possibility of hazardous reactions**

No known hazardous reactions.

### **10.4 Conditions to avoid**

There are no specific conditions known which have to be avoided.



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**Hints to prevent fire or explosion** The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

## 10.5 Incompatible materials

Oxidisers

## 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Classification acc. to GHS

- **Acute toxicity**  
Shall not be classified as acutely toxic.
- **Skin corrosion/irritation**  
Shall not be classified as corrosive/irritant to skin.
- **Serious eye damage/eye irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation**  
Shall not be classified as a respiratory or skin sensitiser.
- **Germ cell mutagenicity**  
Shall not be classified as germ cell mutagenic.
- **Carcinogenicity**  
Shall not be classified as carcinogenic.
- **Reproductive toxicity**  
Shall not be classified as a reproductive toxicant.
- **Specific target organ toxicity - single exposure**  
Shall not be classified as a specific target organ toxicant (single exposure).
- **Specific target organ toxicity - repeated exposure**  
Shall not be classified as a specific target organ toxicant (repeated exposure).
- **Aspiration hazard**  
Shall not be classified as presenting an aspiration hazard.



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## 11.2 Information on other hazards

There is no additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

### 12.2 Persistence and degradability

Process of degradability		
Process	Degradation rate	Time
carbon dioxide generation	88%	28 d

### 12.3 Bio-accumulative potential

Data are not available.  
n-octanol/water (log KOW) 1.88 (ECHA)

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Endocrine disrupting properties

Information on this property is not available.

### 12.7 Other adverse effects

Data are not available.



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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

14.1	UN number or ID number	not assigned
14.2	UN proper shipping name	not assigned
14.3	Transport hazard class(es)	not assigned
14.4	Packing group	not assigned
14.5	Environmental hazards	non-environmentally hazardous acc. to the dangerous goods regulations

### 14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

### 14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.



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## Information for each of the UN Model Regulations

- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
  - Additional information not assigned
- International Maritime Dangerous Goods Code (IMDG) - Additional information not assigned
- International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information not assigned

## SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

- Deco-Paint Directive
  - VOC content 100 %
- Industrial Emissions Directive (IED)
  - VOC content 100 %

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

## SECTION 16: Other information

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DGR	Dangerous Goods Regulations (see IATA/DGR)



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DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
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" developed by the United Nations
IATA	International Air Transport Association
IATA/ DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
VOC	Volatile Organic Compounds
vPvB	Very Persistent and very Bioaccumulative

## Sodium benzoate

Version number: GHS 1.0 Date of compilation: 2022-07-07

### Key literature references and sources for data

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).  
Regulations concerning the International Carriage of Dangerous Goods by Rail (RID).  
International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).



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IEC: AAJCB9425C

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### List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H319	Causes serious eye irritation.

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

This is a computer-generated document hence does not need signature.



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