



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

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 www.ultrapurelab.com

MATERIAL SAFETY DATA SHEET (MSDS) SDS/MSDS

SODIUM BENZOATE

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

1.1. Product identifier

Product form

Trade name : SODIUM BENZOATE

EC-No. : 208-534-8

CAS-No. : 532-32-1

Formula : C₇H₅NaO₂

Chemical structure

Synonyms : Benzoic acid Sodium Salt, Benzoate of soda

: Substance

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

1.2.1. Relevant identified uses

Use of the substance/mixture

1.2.2. Uses advised against

No additional information available

: Laboratory chemicals,

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

2.2. Label elements

H319

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)

: Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

GHS07

Signal word (CLP)

Hazard statements (CLP)

Precautionary statements (CLP)

2.3. Other hazards

: Warning

: H319 - Causes serious eye irritation.

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

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Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type

Name

CAS-No.

EC-No.

3.2. Mixtures

: Mono-constituent

: SODIUM BENZOATE

: 532-32-1

: 208-534-8

Not applicable



SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation

First-aid measures after skin contact

First-aid measures after eye contact

First-aid measures after ingestion

: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.

: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water.

: If eye irritation persists: Get immediate medical advice/attention. Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

: Rinse mouth out with water. If you feel unwell, seek medical advice. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after eye contact

: Causes serious eye irritation. Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water spray. Dry

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powder. Foam.

: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire

5.3. Advice for firefighters

: Toxic fumes may be released.

Protection during firefighting

: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures

6.1.2. For emergency responders

Protective equipment

Emergency procedures

6.2. Environmental precautions

: Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes.

: Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".

: Stop release.

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Other information

6.4. Reference to other sections

: Mechanically recover the product. Clear up rapidly by scoop or vacuum.

: Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Hygiene measures

: Ensure good ventilation of the work station. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment.

: Wash hands, forearms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions



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7.3. Specific end use(s)

: Store in original container. Keep container tightly closed. Store in a dry place. Protect from moisture. Store in a well-ventilated place. Keep cool.

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses

8.2.2.2. Skin protection

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Crystalline powder.



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Molecular mass : 144.1 g/mol

Colour : White.

Odour : Odourless.

Odour threshold : No data available

pH : 7 – 8.5 at 25 °C

pH solution concentration : 10 %

Relative evaporation rate (butylacetate=1) : No data available

Melting point : > 300 °C

Freezing point : Not applicable

Boiling point : > 450 – < 475 °C at 1.013 hPa, Method: OECD Test Guideline 103

Flash point : > 100 °C

Auto-ignition temperature : > 500 °C

Decomposition temperature : No data available

Flammability (solid, gas) : Non flammable.

Vapour pressure : < 0.01 hPa at 20°C

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : 1.44 g/cm³

Solubility : Water: 556 g/l at 20°C - Soluble

Partition coefficient n-octanol/water (Log Pow) : -2.13

Viscosity, kinematic : Not applicable

Viscosity, dynamic : No data available

Explosive properties : No data available

SODIUM BENZOATE EXTRA PURE

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Oxidising properties

Explosive limits

9.2. Other information

: No data available

: Not applicable

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Direct sunlight. Air contact. Moisture.

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10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral)

Acute toxicity (dermal)

Acute toxicity (inhalation)

Skin corrosion/irritation

Serious eye damage/irritation

Respiratory or skin sensitisation

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

STOT-single exposure

STOT-repeated exposure

Aspiration hazard

: Not classified

: Not classified

: Not classified

: Not classified

pH: 7 – 8.5 at 25 °C

: Causes serious eye irritation.

pH: 7 – 8.5 at 25 °C

: Not classified

: Not classified

: Not classified

: Not classified

: Not classified

: Not classified

: Not classified

SODIUM BENZOATE EXTRA PURE (532-32-1)

Viscosity, kinematic

Not applicable

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

Hazardous to the aquatic environment, short-term

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(acute)

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

: Not classified

Hazardous to the aquatic environment, long-term

(chronic)

12.2. Persistence and degradability

: Not classified

No additional information available

12.3. Bioaccumulative potential

SODIUM BENZOATE

Partition coefficient n-octanol/water (Log Pow)

12.4. Mobility in soil -2.13

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

SECTION 14: Transport information

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

In accordance with ADR / IMDG / IATA / ADN / RID

14.1 UN number

UN-No. (ADR)

UN-No. (IMDG)

UN-No. (IATA)

UN-No. (ADN)

UN-No. (RID)

14.2. UN proper shipping name

: Not regulated

: Not regulated

: Not regulated

: Not regulated

: Not regulated

Proper Shipping Name (ADR)

Proper Shipping Name (IMDG)

Proper Shipping Name (IATA)

Proper Shipping Name (ADN)



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Proper Shipping Name (RID)

14.3. Transport hazard class(es)

: Not regulated

: Not regulated

: Not regulated

: Not regulated

: Not regulated

ADR

Transport hazard class(es) (ADR)

IMDG

Transport hazard class(es) (IMDG)

IATA

Transport hazard class(es) (IATA)

ADN

Transport hazard class(es) (ADN)

: Not regulated

: Not regulated

: Not regulated

: Not regulated

RID

Transport hazard class(es) (RID)

14.4. Packing group

: Not regulated

Packing group (ADR)

Packing group (IMDG)

Packing group (IATA)

Packing group (ADN)

Packing group (RID)

14.5. Environmental hazards

: Not regulated

: Not regulated

: Not regulated

: Not regulated

: Not regulated

Dangerous for the environment

Marine pollutant

Other information

14.6. Special precautions for user

: No

: No

: No supplementary information available

Overland transport

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Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

No REACH Annex XVII restrictions

REACH Annex XIV (Authorisation List)

SODIUM BENZOATE EXTRA PURE is not on the REACH Annex XIV List

REACH Candidate List (SVHC)

SODIUM BENZOATE EXTRA PURE is not on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

SODIUM BENZOATE EXTRA PURE is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012

concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

SODIUM BENZOATE EXTRA PURE is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June

2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

SODIUM BENZOATE is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16

September 2009 on substances that deplete the ozone layer.

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

15.1.2. National regulations

Germany

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Water hazard class (WGK) : WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 1284).

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed


SZW-lijst van reprotoxische stoffen –

Vruchtbaarheid

: The substance is not listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out 

SECTION 16: Other information

Abbreviations and acronyms:

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE Acute Toxicity Estimate

BCF Bioconcentration factor

BLV Biological limit value

BOD Biochemical oxygen demand (BOD)

COD Chemical oxygen demand (COD)

DMEL Derived Minimal Effect level

DNEL Derived-No Effect Level

EC-No. European Community number

EC50 Median effective concentration

EN European Standard

IARC International Agency for Research on Cancer

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

LC50 Median lethal concentration

LD50 Median lethal dose

LOAEL Lowest Observed Adverse Effect Level

NOAEC No-Observed Adverse Effect Concentration

NOAEL No-Observed Adverse Effect Level

NOEC No-Observed Effect Concentration

OECD Organisation for Economic Co-operation and Development

SODIUM BENZOATE

Abbreviations and acronyms:

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OEL

PBT

PNEC

RID

SDS

STP

ThOD

TLM

VOC

CAS-No.

Occupational Exposure Limit

Persistent Bioaccumulative Toxic

Predicted No-Effect Concentration

Regulations concerning the International Carriage of Dangerous Goods by Rail

Safety Data Sheet

Sewage treatment plant

Theoretical oxygen demand (ThOD)

Median Tolerance Limit

Volatile Organic Compounds

Chemical Abstract Service number

N.O.S.

vPvB

ED

Not Otherwise Specified

Very Persistent and Very Bioaccumulative

Endocrine disrupting properties

Full text of H- and EUH-statements:

Eye Irrit. 2

Serious eye damage/eye irritation, Category 2

H319

Causes serious eye irritation.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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