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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Product: Sodium Benzoate	**Revision date:** 2026-10-29	**Version:** 1.0	**Brand:** Richest

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

Product name	Sodium Benzoate
Synonyms	Benzoic acid sodium salt; E211
CAS No.	532-32-1
EC No.	208-534-8
Molecular formula	C7H5NaO2
Molecular weight	144.10 g/mol
Relevant identified uses	Mainly used as food preservative
Uses advised against	None
Company	Richest Group Ltd.
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SECTION 2: Hazards identification

GHS Classification	Eye irritation Category 2
Pictogram(s)	GHS07 (Exclamation mark)
Signal word	Warning
Hazard statement(s)	H319 Causes serious eye irritation
Precautionary statement(s)	P264 Wash skin thoroughly after handling P280 Wear eye protection/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
Other hazards	Fine dust may form explosive mixtures with air.

SECTION 3: Composition/information on ingredients

Component	Sodium benzoate
CAS No.	532-32-1
EC No.	208-534-8
Classification	Eye Irrit. 2; H319
Concentration (%)	≤100 %

SECTION 4: First aid measures

If inhaled	After inhalation: fresh air.
In case of skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of eye contact	Rinse out with plenty of water. Remove contact lenses. Call in ophthalmologist.
If swallowed	Immediately make victim drink water (two glasses at most). Consult a physician.
Most important symptoms and effects	Causes serious eye irritation.
Indication of any immediate medical attention	Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media	Water, foam, carbon dioxide (CO2), dry powder
Unsuitable extinguishing media	For this substance no limitations of extinguishing agents are given
Special hazards arising from the chemical	Carbon oxides, sodium oxides. Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.
Advice for firefighters	In the event of fire, wear self-contained breathing apparatus. Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Cover drains. Collect, bind, and pump off spills. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

SECTION 7: Handling and storage

Precautions for safe handling	Avoid contact with eyes. Observe usual precautionary measures for handling chemicals.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed in a dry place.

SECTION 8: Exposure controls/personal protection

Occupational exposure limit values	No occupational exposure limits established
Biological limit values	No biological exposure index (BEI) established.
Appropriate engineering controls	Ensure adequate ventilation at places where dust is formed.
Eye/face protection	Safety glasses (NIOSH (US) or EN 166 (EU) approved).
Skin protection	Protective gloves (nitrile rubber, thickness 0.11 mm, breakthrough time 480 min).
Body protection	Protective clothing.
Respiratory protection	Required when dusts are generated. Recommended filter type: P2.
Thermal hazards	No specific thermal hazards under normal conditions of use.

SECTION 9: Physical and chemical properties

Physical state	Solid (crystalline)
Colour	White
Odour	Odorless
Melting point / freezing point	436 °C
Boiling point or initial boiling point and boiling range	> 450 °C (decomposition)
Flammability	Does not ignite

Lower and upper explosion limit / flammability limit	Fine dust may form explosive mixture with air
Flash point	Not applicable
Auto-ignition temperature	> 500 °C
Decomposition temperature	Decomposes above 450 °C.
pH	ca. 8 (100 g/L, 20 °C)
Kinematic viscosity	Not applicable (solid)
Solubility	556 g/L in water (20 °C); ethanol ca. 13.3 g/L
Partition coefficient n-octanol/water	log Pow: 1.88 (bioaccumulation is not expected)
Vapour pressure	Negligible at 20 °C (ionic solid)
Density and/or relative density	1.5 g/cm3 (20 °C)
Relative vapour density	Not applicable (solid)
Particle characteristics	No data available

SECTION 10: Stability and reactivity

Reactivity	In correspondingly fine distribution, when whirled up, a dust explosion potential may generally be assumed.
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature).
Possibility of hazardous reactions	Violent reactions possible with strong oxidizing agents and strong acids.
Conditions to avoid	Avoid moisture.
Incompatible materials	Strong oxidizing agents, strong acids
Hazardous decomposition products	In the event of fire: carbon oxides, sodium oxides

SECTION 11: Toxicological information

Acute toxicity - Oral / Inhalation / Dermal	LD50 Oral - Rat - 4,070 mg/kg; LD50 Dermal - Rabbit - > 2,000 mg/kg
Skin corrosion/irritation	Rabbit: no skin irritation - 4 h (OECD Test Guideline 404)
Serious eye damage/irritation	Rabbit: irritating - 24 h (OECD Test Guideline 405)
Respiratory or skin sensitization	No sensitizing effects known
Germ cell mutagenicity	Ames test (E. coli/Salmonella typhimurium): negative (OECD 471); Chromosome aberration test: negative

Carcinogenicity	No component of this product present at levels ≥0.1% is identified as a carcinogen by IARC, ACGIH, NTP or OSHA
Reproductive toxicity	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not applicable (solid)

SECTION 12: Ecological information

Toxicity to fish / daphnia / algae	LC50 - Pimephales promelas (fathead minnow) - 484 mg/l - 96 h; LC50 - Daphnia magna - > 100 mg/l - 96 h; ErC50 - Pseudokirchneriella subcapitata - > 100 mg/l - 72 h
Persistence and degradability	Readily biodegradable (aerobic, 94% after 28 d)
Bioaccumulative potential	log Pow: 1.88 - bioaccumulation is not expected
Mobility in soil	Expected to be mobile (high water solubility)
Other adverse effects	None known

SECTION 13: Disposal considerations

Product disposal methods	Dispose of in accordance with local and national regulations. Contact a licensed professional waste disposal service.
Contaminated packaging	Dispose of as unused product in accordance with local regulations.

SECTION 14: Transport information

UN Number (ADR/RID, IMDG, IATA)	Not regulated as dangerous goods
UN Proper Shipping Name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards (Marine pollutant)	No
Special precautions for user	No special precautions required during transport.

SECTION 15: Regulatory information

Safety, health and environmental	EINECS: Listed (208-534-8) / TSCA: Listed / IECSC: Listed / China Catalog

regulations specific for the product	of Hazardous Chemicals 2015: Not listed

SECTION 16: Other information

Full text of H-Statements	H319 Causes serious eye irritation
Revision date	2026-10-29
Version	1.0

Abbreviations and acronyms: CAS: Chemical Abstracts Service; EC: European Commission; EINECS: European Inventory of Existing Commercial Chemical Substances; ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road; RID: Regulation concerning the International Carriage of Dangerous Goods by Rail; IMDG: International Maritime Dangerous Goods; IATA: International Air Transport Association; TWA: Time Weighted Average; STEL: Short Term Exposure Limit; LD50: Lethal Dose 50%; LC50: Lethal Concentration 50%; EC50: Effective Concentration 50%; PBT: Persistent, Bioaccumulative and Toxic; vPvB: very Persistent and very Bioaccumulative; SDS: Safety Data Sheet.

References: ECHA - European Chemicals Agency, https://echa.europa.eu/; IPCS - International Chemical Safety Cards (ICSC), http://www.ilo.org/; HSDB - Hazardous Substances Data Bank; eChemPortal - OECD Global Portal to Information on Chemical Substances; ERG - Emergency Response Guidebook by U.S. DOT.

Disclaimer: The information in this SDS is only applicable to the specified product and is provided in good faith. It is based on the knowledge available to Richest Group Ltd. at the date of issue and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not constitute any guarantee of the properties of the product. Richest Group Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.