



Safety Data Sheet Sodium Benzoate

Complies with 29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: Sodium Benzoate

INCI Name: Sodium Benzoate

Material Uses: Active ingredient in cosmetic and personal care applications.

Restrictions on Use: Repackaged for cosmetic use only

Company: Lotioncrafter LLC
48 Hope Ln
Eastsound, WA 98245
PH: 1-360-376-8008

Emergency Response: In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands CALL +1 800-424-9300
In case of difficulties or for ships at sea CALL +1 703-527-3887
In Europe, Middle East, Africa, Asia Pacific, South America CALL +1 703-527-3887

Section 2: Hazards Identification

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Hazard Pictograms:



Signal Word: Warning

Hazard Classification: Eye Irritation, Category 2, H319

Hazard Statements: H319 Causes serious eye irritation.

Precautionary Statements: 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 attention.

Other Hazards: None

Section 3: Composition / Information on Ingredients

Name	Hazard Category	CAS#	Weight %
Sodium Benzoate	Category 2, H319	532-32-1	98 - 100

Additional Information: No additional information available.



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Section 4: First Aid Measures

General Info: If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

Notable Exposure Symptoms: Coughing, irritation. Preexisting sensitization, skin and/or respiratory disorders or diseases may be aggravated. See Section 11 for additional information.

If Ingested: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Get medical attention immediately.

If Inhaled: If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTER or doctor/physician if you feel unwell.

Eye Contact: Immediately flush eyes with plenty of clean water for at least 15 minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion. If eye irritation persists: Get medical attention/advice.

Skin Contact: Wash the affected area thoroughly with plenty of soap and water. Get medical attention if symptoms occur.

Section 5: Fire Fighting Measures

General Info: Flash point: Not applicable. Concentrated dust/air combinations may produce explosive conditions. As with all organic dusts, fine particles suspended in air in critical proportions and in the presence of an ignition source may ignite and/or explode. Dust may be sensitive to ignition by electrostatic discharge, electrical arcs, sparks, welding torches, open flame, or other significant heat sources.

Extinguishing Method /

Equipment: Use water spray, dry chemical, or foam. Carbon dioxide may be ineffective on larger fires due to a lack of cooling capacity which may result in reignition. Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Avoid hose streams or any method which will create dust clouds.

Hazardous Decomposition Info: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See Section 10 for additional information.

Section 6: Accidental Release Measures

Personal Precautions, Protective

Equipment and Procedures: If spilled in an enclosed area, ventilate. Avoid raising powdered material due to explosion hazard. Use spark-proof and explosion-proof equipment. If inhalation of dust cannot be avoided, wear an approved particulate respirator. Personal Protective Equipment must be worn.

Environmental Precautions: Do not flush product into sewers, water systems or surface waters.

Containment Equipment and

Cleanup Procedures: Using care to avoid generation, vacuum or sweep into a closed container for disposal. Avoid generation of dusts.



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Section 7: Handling and Storage

Safe Handling Precautions: As with any chemical product, use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid drinking, tasting, swallowing or ingesting this product. Avoid routine inhalation of dust of any kind. Wash contaminated clothing before reuse. As a precaution to control dust explosion potential, implement the following safety measures: Eliminate ignition sources (e.g., sparks, static buildup, excessive heat, etc.). In general, dust of organic materials is a static charge generator which may be ignited by electrostatic discharge, electrical arcs, sparks, welding torches, open flame, or other significant heat sources. Use spark-proof tools and equipment.

Recommendations for Storage: Store sealed in cool, dry and well-ventilated conditions. Store this material away from incompatible substances (see Section 10). Do not reuse empty container without commercial cleaning or reconditioning. Product will absorb water vapor (hygroscopic).

Specific End Use(s): Active ingredient in cosmetic and personal care applications.

Section 8: Exposure Control / Personal Protection

Control Parameters: Sodium Benzoate: No occupational exposure limits (OEL) established.

Derived No Effect Levels (DNELs): Sodium Benzoate

N/E = Not established
bw = body weight

<u>Population</u>	<u>Route</u>	<u>Acute (local)</u>	<u>Acute (systemic)</u>	<u>Long Term (local)</u>	<u>Long Term (systemic)</u>
Workers	Inhalation	N/E	N/E	0.1 mg/m ³	3 mg/m ³
Workers	Dermal	N/E	N/E	N/E	62.5 mg/kg bw/day
General Population	Inhalation	N/E	N/E	0.06 mg/m ³	1.5 mg/m ³
General Population	Dermal	N/E	N/E	N/E	31.25 mg/kg bw/day
General Population	Oral	N/E	N/E	N/E	16.6 mg/kg bw/day
Humans via the environment	Inhalation	N/E	N/E	N/E	1.5 mg/m ³
Humans via the environment	Oral	N/E	N/E	N/E	16.6 mg/kg bw/day

Predicted No Effect Concentrations (PNECs): Sodium Benzoate

N/E = Not established
dw = dry weight

<u>Compartment</u>	<u>PNEC</u>
Freshwater	0.13 mg/L
Freshwater sediment	1.76 mg/kg dw
Marine water	0.013 mg/L
Marine water sediment	0.176 mg/kg dw
Intermittent releases	305 µg/L
Soil	0.276 mg/kg dw
STP	10 mg/L
Oral	300 mg/kg food

General / Engineering

Controls: Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limits outlined in the SDS. Eliminate ignition sources.



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Eye/face protection: Chemical goggles with side splash protection recommended. An eye wash facility should be available in the work area.

Hand Protection: Protective gloves (Butyl rubber, Nitrile rubber, Neoprene, PVC, Viton).

Body Protection: Use good laboratory/workplace procedures including personal protective clothing: labcoat or rubber apron.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. If inhalation of dust cannot be avoided, wear an approved particulate respirator.

Thermal Hazards: None required under normal conditions of use

Other: Observe good chemical hygiene practices, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

Section 9: Physical and Chemical Properties

Physical State: Solid

Appearance: Granules, pellets or powder

Color: White

Odor: Odorless

Odor Threshold: No data available

pH: 8 (10% aqueous solution)

Melting Point/Freezing Point: 436°C (817°F)

Boiling Point: Decomposes after boiling

Flash Point: Not applicable

Auto-ignition Temperature: Not available

Decomposition Temperature: 450-475°C (842-887°F)

Evaporation Rate: Not available

Vapor Pressure: Negligible @ 20°C

Explosive Limits: Not available

Vapor Density: Not available

Relative Density: 1.5 @ 20°C

Water Solubility: 556 g/L

Viscosity (cP): Not available

Explosion Properties: Not explosive

Oxidizing Properties: Not oxidizing

Surface Tension: 72.9 mN/m @ 20°C (1 g/L)

Partition coefficient: 1.88 (Benzoic acid)

Other information: Amounts specified are typical and do not represent specification



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Section 10: Stability and Reactivity

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: This product is stable.

Possibility of Hazardous

Reactions: None known

Conditions to Avoid: Excessive heat and ignition sources. Contact with water or moist air. Avoid static discharge. Avoid dust formation.

Incompatible Materials: Avoid strong acids and oxidizing agents. Avoid contact with iron salts.

Hazardous Decomposition

Products: Carbon dioxide and carbon monoxide.

Section 11: Toxicological Information

General Information: *Historical data; not tested on animals for cosmetics.*

Acute Toxicity: Oral LD50 is anticipated to be >5g/kg based on testing of similar materials.

Irritation: *in vitro* dermal testing of similar materials show product to be non-irritating.

Corrosivity: This is not a corrosive product.

Sensitization: This product is not sensitizing.

Repeated Dose Toxicity: Not classified. Based on available data, the classification criteria are not met.

Carcinogenicity: Not classified. Based on available data, the classification criteria are not met.

Mutagenicity: Not classified. Based on available data, the classification criteria are not met.

Toxicity for reproduction: Not classified. Based on available data, the classification criteria are not met.

Section 12: Ecological Information

General Information: *Historical data; not tested on animals for cosmetics.*

Species	Toxicity: Sodium Benzoate		Chronic
	Acute	Acute	
Fish	LC50 484 mg/L 96h	LC50 > 100 mg/L 96h	NOEC 10 mg/L 144h
Invertebrates	EC50 > 100 mg/L 96h	EC50 650 mg/L 48h	N/E
Algae	EC50 > 30.5 mg/L 72h	N/E	EC10 6.5 mg/L 72h
Micro-organisms	EC50 > 100 mg/L 168h		

Persistence and Degradability: Readily biodegradable

Bioaccumulative Potential: Not established. Log Kow: 1.88 (benzoic acid)

Mobility in Soil: Not established

Results of PBT and vPvB

Assessment: This product does not meet the PBT and vPvB classification criteria.

Other Adverse Effects: No additional information available



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Section 13: Disposal Information

Product disposal: Dispose of product in accordance with local, regional, and national regulations.

Container disposal: Dispose of container in accordance with licensed collector's sorting instructions.

Other considerations: No further information.

Section 14: Transport Information

	US DOT	EU Land Transport (ADR/RID/AND)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
UN Number:	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name:	Not regulated	Not regulated	Not regulated	Not regulated
Transport Hazard Class(es):	Not applicable	Not applicable	Not applicable	Not applicable
Packing Group:	Not applicable	Not applicable	Not applicable	Not applicable
Environmental Hazards:	Not applicable	Not applicable	Not applicable	Not applicable
Special Precautions for User:	None	None	None	None
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable	Not applicable	Not applicable	Not applicable

Section 15: Regulatory Information

REACH (EC) 1907/2006: Applicable components are registered, exempt or otherwise compliant. REACH is only relevant to substances either manufactured or imported into the EU.

Australia (AICS): Listed or compliant

Canada (DSL): Listed or compliant

Canada (NDSL): Not listed or not reviewed

China (IECSC): Listed or compliant

EU (EINECS, ELINCS, NLP): Listed or compliant

Japan (ENCS, ISHL): Listed or compliant

Korea (KECL): Listed or compliant

New Zealand (NZIoC): Listed or compliant

Philippines (PICCS): Listed or compliant

Taiwan: Listed or compliant

US (TSCA): Listed or compliant

Chemical Safety Assessment: A chemical safety assessment has not been carried out for the substance or mixture.

California Proposition 65: This product is not known to the State of California to cause cancer, birth defects or other reproductive harm.



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Section 16: Other Information

Indication of Changes: Version 2 created May 15, 2024

List of Relevant R-phrases

(number and full text): H319: Causes serious eye irritation

Legal Disclaimer: Since the user's working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

Lotioncrafter provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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