

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard

EASTMAN

Probenz(TM) SG Sodium Benzoate, Food Grade, Kosher

Customer PO: 4527889902

Delivery number: 0092832546 / N07

Customer: 0004371068

PRD / SDSUS / Z8 / 0230

Version	Revision Date:	SDS Number:	Date of last issue: 12/27/2022
2.4	07/08/2025	150000072050	Date of first issue: 09/06/2016

SECTION 1. IDENTIFICATION

Product name : Probenz(TM) SG Sodium Benzoate, Food Grade, Kosher

Product code : P3287601

Manufacturer or supplier's details

Company name of supplier : Eastman Specialties Corporation

Address : 200 South Wilcox Drive
Kingsport TN 37662

Emergency telephone : CHEMTREC: +1-800-424-9300, +1-703-527-3887 CCN7321

Recommended use of the chemical and restrictions on use

Recommended use : Preservative
antioxidant (food grade)
cosmetic component

Restrictions on use : None known.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Eye irritation : Category 2A

Other hazards

None known.

GHS label elements

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H319 Causes serious eye irritation.

Precautionary Statements : **Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.

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Response:

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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Substance
Substance name	:	Benzoic acid, sodium salt
CAS-No.	:	532-32-1

Components

Chemical name	CAS No./Unique ID	Concentration (% w/w)	Trade secret
sodium benzoate	532-32-1*	> 99	-
Water	7732-18-5*	< 1	-

* Indicates that the identifier is a CAS No.

Eastman is committed to the safety, health and environment of our employees, our customers, and the communities we operate within. As part of this commitment, Eastman's Safety Data Sheets (SDS) are prepared in accordance with all applicable national and local regulations. The compositions of our documents reflect these requirements which include, but are not limited to, requirements under the Globally Harmonized System of Classification and Labeling (GHS). These compositions commonly involve the use of ranges versus specific analytical values. If you require a composition that is more specific, please refer to the Certificate of Analysis, sales specification, or contact your Customer Service Representative.

SECTION 4. FIRST AID MEASURES

If inhaled	:	Move to fresh air. Treat symptomatically. Get medical attention.
In case of skin contact	:	Wash off with soap and water. Take off all contaminated clothing immediately. Wash contaminated clothing before re-use. Get medical attention.

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In case of eye contact	:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical advice/ attention.
If swallowed	:	Seek medical advice.
Most important symptoms and effects, both acute and delayed	:	Causes serious eye irritation.
Notes to physician	:	Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray to extinguish. Dry chemical Carbon dioxide (CO2)
Unsuitable extinguishing media	:	None known.
Hazardous combustion products	:	No hazardous combustion products are known
Special protective equipment for fire-fighters	:	Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Avoid release to the environment.
Environmental precautions	:	Avoid release to the environment.
Methods and materials for containment and cleaning up	:	Sweep up or vacuum up spillage and collect in suitable container for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Minimize dust generation and accumulation.
Advice on safe handling	:	Avoid contact with eyes.

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Wash thoroughly after handling.
Minimize dust generation and accumulation.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
sodium benzoate	532-32-1	TWA (Inhalable particulate matter)	2.5 mg/m3	ACGIH

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Wear respiratory protection.

Hand protection

Remarks : Wear suitable gloves.

Eye protection : Wear eye/face protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : granules

Color : white

Odor : odorless

Odor Threshold : not determined

pH : 8

Melting point/ range : 572 °F / 300 °C

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Boiling point/boiling range	: decomposes
Flash point	: Not applicable
Evaporation rate	: not determined
Flammability (solid, gas)	: Not applicable
Self-ignition	: Not applicable
Upper explosion limit / Upper flammability limit	: not determined
Lower explosion limit / Lower flammability limit	: not determined
Vapor pressure	: Not applicable
Relative vapor density	: not determined
Relative density	: 1.44 (77 °F / 25 °C)
Solubility(ies) Water solubility	: 556 g/l
Partition coefficient: n-octanol/water	: log Pow: 1.88 Based on data from similar materials
Autoignition temperature	: not determined
Decomposition temperature	: not determined
Explosive properties	: Not classified
Oxidizing properties	: Not classified
Surface tension	: 72.9 mN/m, 68 °F / 20 °C

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: None known.
Conditions to avoid	: Heat, flames and sparks.

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Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Carbon dioxide (CO₂)
Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Remarks: No data available

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

Components:

sodium benzoate:

Acute oral toxicity : LD₅₀ Oral (Rat): > 2,000 mg/kg
Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : LC₅₀ (Rat): > 2069 ppm
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD₅₀ Dermal (Rabbit): > 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks : No data available

Components:

sodium benzoate:

Species : Rabbit
Exposure time : 24 h
Result : slight

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Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks : Causes eye irritation.

Components:

sodium benzoate:

Species	:	Rabbit
Result	:	Eye irritation
Exposure time	:	24 h

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Product:

Remarks : No data available

Components:

sodium benzoate:

Test Type	:	OECD 429: LLNA
Species	:	Mouse
Result	:	non-sensitizing

Germ cell mutagenicity

Not classified based on available information.

Components:

sodium benzoate:

Genotoxicity in vitro	:	Test Type: Salmonella typhimurium assay (Ames test) Metabolic activation: +/- activation Method: Bacterial Reverse Mutation Assay Result: negative
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Genotoxicity in vivo	:	Species: Rat Application Route: oral: gavage Method: Mammalian Bone Marrow Chromosome Aberration Test Result: negative
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Carcinogenicity

Not classified based on available information.

Product:

Remarks : This information is not available.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Product:

Effects on fertility : Remarks: No data available

STOT-single exposure

Not classified based on available information.

Product:

Remarks : No data available

Components:

sodium benzoate:

Assessment : Not classified

STOT-repeated exposure

Not classified based on available information.

Product:

Remarks : No data available

Components:

sodium benzoate:

Assessment : Not classified

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Repeated dose toxicity

Components:

sodium benzoate:

Species	:	Rat
NOAEL	:	1,000 mg/kg
Application Route	:	Oral Study

Species	:	Rat
NOAEL	:	2,500 mg/kg
Application Route	:	Dermal Study

Aspiration toxicity

Not classified based on available information.

Product:

No data available

Experience with human exposure

Product:

Inhalation	:	Remarks: None known.
Skin contact	:	Remarks: None known.
Eye contact	:	Remarks: Causes serious eye irritation.
Ingestion	:	Remarks: None known.

Further information

Product:

Remarks	:	None known.
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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

sodium benzoate:

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 484 mg/l Exposure time: 96 h
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Toxicity to daphnia and other aquatic invertebrates	:	LC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 96 h
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Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (algae)): > 30.5 mg/l
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : NOEC: (Danio rerio (zebra fish)): 10 mg/l
Exposure time: 6 d

Persistence and degradability

Components:

sodium benzoate:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 75 %
Exposure time: 30 d

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to IMO instruments

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

Special precautions for user

Not applicable

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SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Combustible dust
Serious eye damage or eye irritation

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: All substances listed as active on the TSCA inventory
AIIC	: On the inventory, or in compliance with the inventory
DSL	: All components of this product are on the Canadian DSL
ENCS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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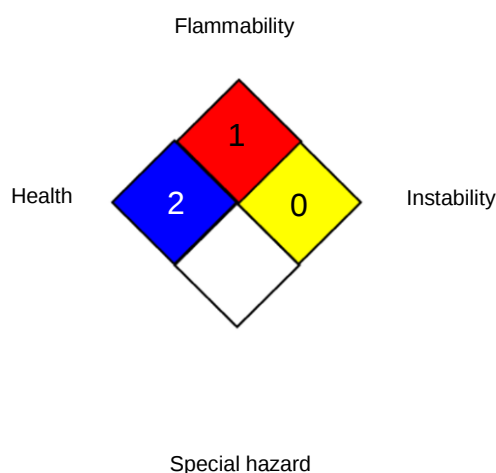
SDS Number:
150000072050

Date of last issue: 12/27/2022
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SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH	/	2
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "/" represents a chronic hazard, while the "-" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA : 8-hour, time-weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office

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of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 07/08/2025

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / Z8