

**PROBENZ™**  
sodium benzoate

**Preserving success**

*Reliable solutions for the food and beverage market*

**Staying fresh. Keeping trust.**

Across the globe—and across challenging regulatory landscapes—the food and beverage industry has trusted Eastman to produce the ingredients they need to succeed, including Probenz™ sodium benzoate.

Typically used at 0.1%, Probenz serves as a reliable preservative in acidic conditions (pH < 4.5). It is also beneficial in personal care and pharmaceutical applications.

Eastman offers three forms of sodium benzoate:

- **Probenz™ SG sodium benzoate**, food grade, kosher—available in granular form
- **Probenz™ SP extra dry sodium benzoate**, food grade, kosher—a fine powder engineered to achieve extremely low moisture content
- **Probenz™ SP powder sodium benzoate**, food grade, kosher—manufactured in powder form

**Here's to safety.**

Eastman products for use in food and beverage applications comply with the applicable sections of the U.S. Code of Federal Regulations administered by the U.S. Food and Drug Administration (FDA) for various applications involving use in food and beverage as well as packaging and adhesives for food contact applications.

*All kosher products produced by Eastman are manufactured under rabbinical supervision in full accordance with Jewish dietary law.*

**Probenz sodium benzoate**

| Property*                         | Typical value, units                             |
|-----------------------------------|--|
| Appearance                        | Granular, flaky powder or fine powder            |
| Bulk density                      |  |
| SG sodium benzoate                | 0.7 g/cm <sup>3</sup> (44 lb/ft <sup>3</sup> )   |
| SP powder sodium benzoate         | 0.287 g/cm <sup>3</sup> (18 lb/ft <sup>3</sup> ) |
| Melting point                     | >300°C   |
| Molecular weight                  | 144.11   |
| pH                                |  |
| Granular (1% aqueous solution)    | 6.5–8.0  |
| Powder (1% aqueous solution)      | 6.5–8.0  |
| Solubility (in cold or hot water) | Readily soluble                                  |
| Specific gravity (at 25°C/25°C)   | 1.44   |

\* Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

Probenz is considered not derived from plant sources and, therefore, is not produced using genetically modified organisms (GMOs) or recombinant DNA technology.

As supplied by Eastman, Probenz meets the requirements of 21 CFR 184.1733 for sodium benzoate, affirming it as generally recognized as safe (GRAS) for uses specified in 21 CFR 184.1733(c) and (d). Based on 21 CFR 184.1(a) and 21 CFR 186.1(a), it is also GRAS for use as an indirect human food ingredient. In addition, Eastman has obtained the third-party certification outlined by Global Food Safety Initiative (GFSI) requirements, particularly Food Safety System Certification (FSSC) 22000.

Additional food contact compliance information and Safety Data Sheets (SDS) are available at [www.eastman.com](http://www.eastman.com).

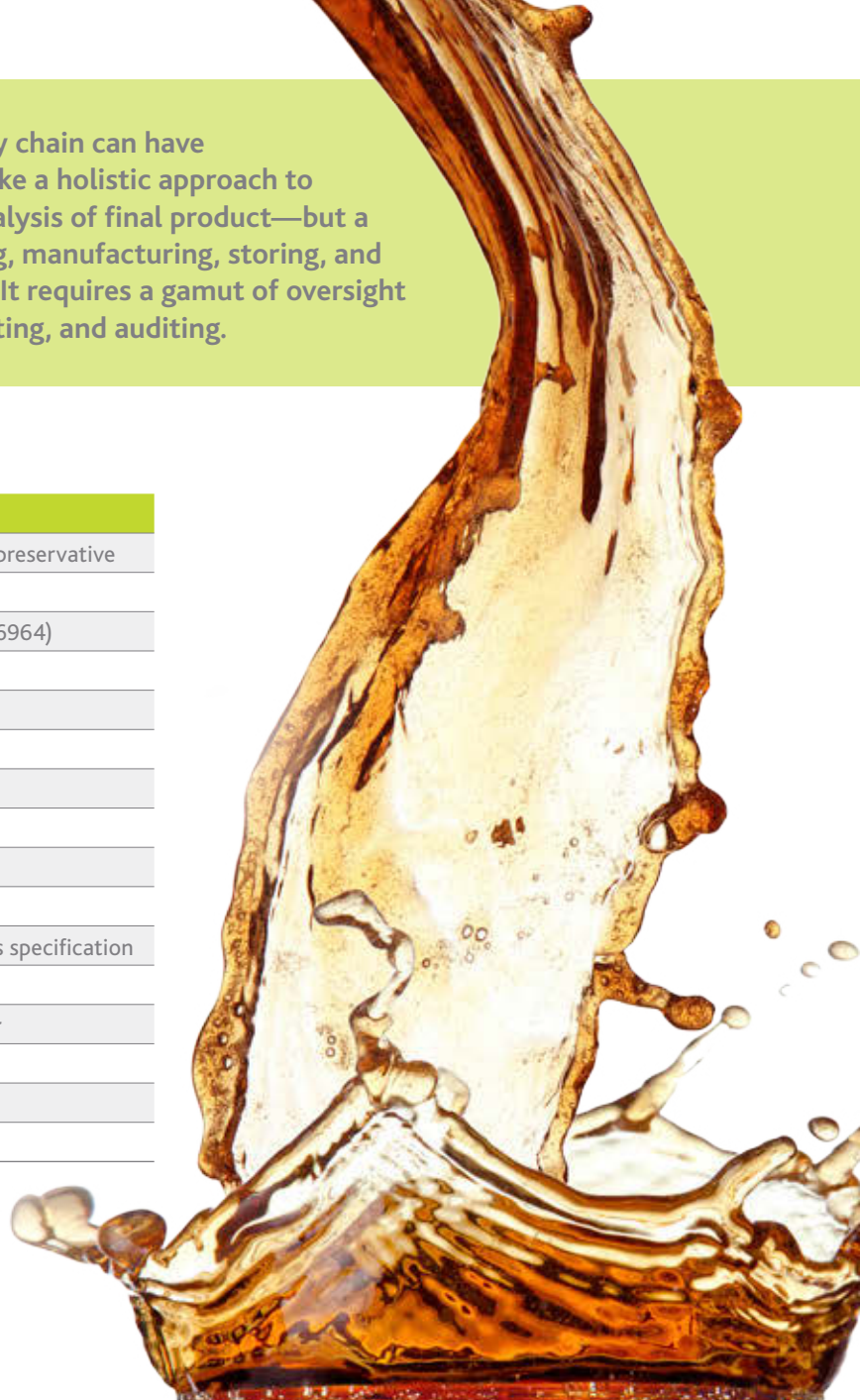
For more information about Probenz™ sodium benzoate, contact your Eastman representative at 1-800-EASTMAN or visit [www.eastman.com](http://www.eastman.com).



We understand that all elements of the food supply chain can have significant impact on food safety. That's why we take a holistic approach to food grade designation. It's not merely a test or analysis of final product—but a confirmation that the whole process (from sourcing, manufacturing, storing, and delivery) is done in accordance to strict guidelines. It requires a gamut of oversight measures that includes testing, certification, reporting, and auditing.

## Probenz quality systems

|   | Food grade                  |
|---|-----------------------------|
| Intended markets                                | Human food preservative     |
| Manufacturing location                          | Estonia                     |
| Food Facility Establishment Registration        | Yes (14115986964)           |
| FSSC-22000 Certified                            | Yes                         |
| Kosher, including Passover certified            | Yes                         |
| Halal certified                                 | Yes                         |
| Produced under applicable cGMP                  | Yes                         |
| Managed under HACCP program                     | Yes                         |
| Audited annually internally for cGMP compliance | Yes                         |
| Product passes thru metal detector              | Yes                         |
| Specification source                            | Eastman sales specification |
| Reserve sample retention                        | 3 years                     |
| Water source used for container cleaning        | Potable water               |
| Stability monitoring program                    | Yes                         |
| Mock recalls                                    | Yes                         |
| Record retention                                | 5 years                     |



**EASTMAN**  
The results of insight™

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