

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 ³ (44 lb/ft ³)
SP powder sodium benzoate	0.287 g/cm ³ (18 lb/ft ³)
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.

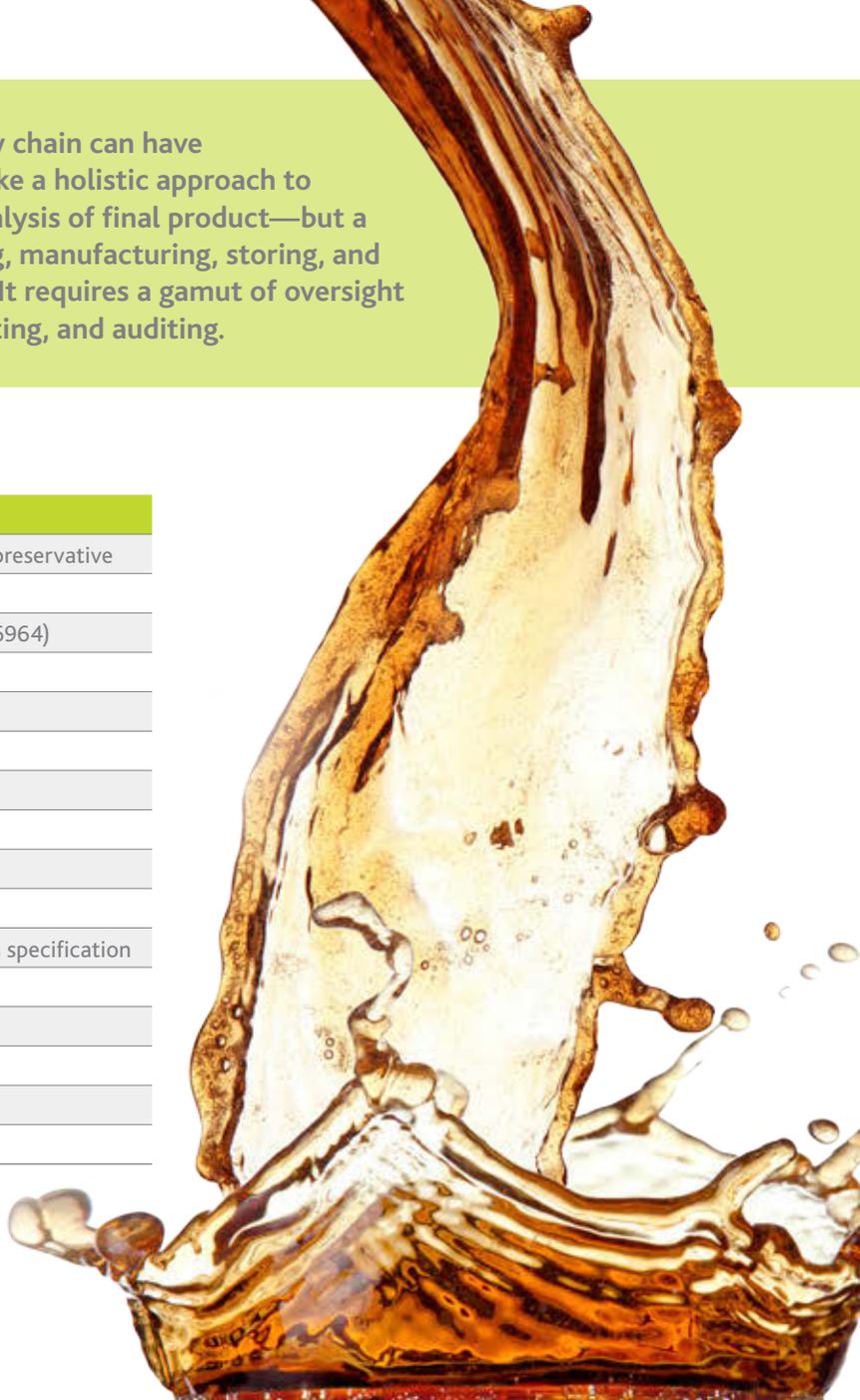
For more information about Probenz™ sodium benzoate, contact your Eastman representative at 1-800-EASTMAN or visit www.eastman.com.



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™

Eastman Chemical Company Corporate Headquarters

P.O. Box 431
Kingsport, TN 37662-5280 U.S.A.

U.S.A. and Canada, 800-EASTMAN (800-327-8626)
Other Locations, +(1) 423-229-2000

www.eastman.com/locations

Although the information and recommendations set forth herein are presented in good faith, Eastman Chemical Company and its subsidiaries make no representations or warranties as to the completeness or accuracy thereof. You must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment, or formulation in conflict with any patent, and we make no representations or warranties, express or implied, that the use thereof will not infringe any patent. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS AND NOTHING HEREIN WAIVES ANY OF THE SELLER'S CONDITIONS OF SALE.

Safety Data Sheets providing safety precautions that should be observed when handling and storing our products are available online or by request. You should obtain and review available material safety information before handling our products. If any materials mentioned are not our products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed.

© 2015 Eastman Chemical Company. Eastman brands referenced herein are trademarks of Eastman Chemical Company or one of its subsidiaries. The ® used on Eastman brands denotes registered trademark status in the U.S.; marks may also be registered internationally. Non-Eastman brands referenced herein are trademarks of their respective owners.