



DATE: 21 December 2022

Product Identifier

RM Number: 8323

RM Name: Yeast Protein Extract

Under the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200, this Reference Material (RM) is NOT classified as a physical hazard or a health hazard, a simple asphyxiant, combustible dust, pyrophoric gas, or hazard not otherwise classified. There are no hazard pictograms, hazard statements or signal word associated with it. Safety Data Sheet information is not required. This document may be used in conjunction with your hazard communication program.

Exemption: 1910.1200 (b) (6) (xii). This RM is a biological material and should be considered a potential biological hazard.

Description: RM 8323 is intended to support measurements used to identify proteins in complex protein mixtures such as those used in proteomics. RM 8323 can be used to help assess measurement repeatability within a laboratory or comparability between laboratories or among different measurement approaches. RM 8323 can also be used in the development and validation of new measurement approaches for identifying proteins in complex protein mixtures. A unit of RM 8323 consists of three vials, each containing 200 μ L of frozen yeast protein extract solution. The proteins extracted from *Saccharomyces cerevisiae* have been solubilized in 50 mmol/L ammonium bicarbonate in water.

Additional Notes for Biomaterials: RM 8323 has been obtained from yeast cells and has the potential to contain toxins that may pose a health risk. Normal caution and care should be exercised during the material's handling and use. See Certificate of Analysis for storage and use instructions.

Disposal: RM 8323 components and derived solutions should be disposed of in accordance with local, state, and federal regulations.

Transport Information: This material is not regulated by the U.S. Department of Transportation (DOT) and/or International Air Transport Association (IATA).

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Users of this RM should ensure that this document and the corresponding Reference Material Information Sheet in their possession are current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; e-mail srmmsds@nist.gov; or via the Internet at <https://www.nist.gov/srm>.