



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-0001

DATE: 28 September 2022

Product Identifier

RM Number: 8536

RM Name: GISP Greenland Ice Sheet Precipitation (Hydrogen and Oxygen Isotopes in Water)

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.

Description: This Reference Material (RM) is a secondary reference material with known isotope-number ratios for hydrogen (H) and oxygen (O) that are intermediate to VSMOW2 (RM 8535) and SLAP (RM 8537). It is intended to be a control for working standards that have been calibrated to the VSMOW-SLAP (Vienna Standard Mean Ocean Water-Standard Light Antarctic Precipitation) δ -scales for isotope-number ratios of hydrogen and oxygen. A unit of RM 8536 consists of one ampoule containing approximately 20 mL of water.

Disposal: RM 8536 and its 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 Transportation Association (IATA).

Disclaimer: The NIST information in this document is specific to the NIST product and is believed to be correct, based upon our current knowledge. This document may not necessarily be all inclusive and should be used only as a guide. NIST does not guarantee the accuracy or completeness of this information. The only official source for specific values and uncertainties is the certificate or report.

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>.