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

DATE: 23 April 2015

Product Identifier

RM Number: 8564
RM Name: CO_2-Biogenic, Modern Biomass Origin (Carbon Dioxide)

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.

This material under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of 1910.1200), and does not pose a physical hazard or health risk to employees.

Description: This RM is intended to provide carbon dioxide samples of known isotopic composition and uncertainty with $^{13}C/^{12}C$ and $^{18}O/^{16}O$ ratios expressed in parts per thousand relative difference (‰) from Vienna Peedee Belemnite (VPDB) or Vienna Standard Mean Ocean Water (VSMOW). A unit of RM 8564 consists of two borosilicate glass tubes, each 9 mm in diameter and about 30 cm in length. Each tube contains approximately 400 μmol of gas.

Disposal: RM 8564 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: This document was prepared carefully, using current references. Users of this RM should ensure that this document and the corresponding Report of Investigation in their possession are current. This can be accomplished by contacting the SRM Program: telephone (301) 975-2200; fax (301) 948-3730; e-mail srmmsds@nist.gov; or via the Internet at http://www.nist.gov/srm.