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

DATE: October 2011

The Reference Material (RM), 8424 Graphite Thermal Conductivity (λ) and Electrical Resistivity (ρ) for which you have requested a Material Safety Data Sheet (MSDS) is not hazardous and/or is excluded from coverage in our regular MSDS system for one or more of the following reasons:

1 ■ The RM is an article, as the word is defined by the Occupational Safety and Health Administration (OSHA) of the U.S. Department of Labor in paragraph (c) of part 1910.1200 of title 29 of the Code of Federal Regulations (29 CFR 1910.1200) which does not release or otherwise result in exposure to a hazardous chemical, under normal conditions of use.

2 ☐ The RM has been determined to be non-hazardous by the National Institute of Standards and Technology (NIST) of the U.S. Department of Commerce under paragraph (d) of OSHA Standards 29 CFR Part 1910.1200. The RM will not release or otherwise result in exposure to a hazardous chemical under normal conditions of use.

3 ☐ The RM is a pesticide or hazardous waste labeled according to regulations issued by the U.S. Environmental Protection Agency (EPA).

4 ☐ The RM is a food, food additive, drug, or clinical material labeled according to regulations issued by the U.S. Food and Drug Administration (FDA).

5 ☐ The RM is a wine labeled according to regulations issued by the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) within the U.S. Department of Justice.

6 ☐ The RM is a radioactive material labeled according to regulations issued by the U.S. Nuclear Regulatory Commission (NRC).

7 ☐ The RM is a tobacco or tobacco product, wood or wood product which is exempted by OSHA under paragraph (b) (6) (iii) and (iv) of Standards 29 CFR Part 1910.1200.

8 ☐ The RM is a particulate matter that is not regulated by either OSHA or the American Conference of Government Industrial Hygienists (ACGIH). The material's average particulate size, as manufactured, is above the inhalation particulate size (100 micrometers or 100 microns) established by the ACGIH, Appendix D. Should further processing of this material be done which would reduce the average particulate size to less than 100 micrometers, please refer to OSHA Respiratory Protection Standards 29 CFR Part 1910.134 for proper protection.

9 ☐ The RM is a particulate matter that requires inhalation protection by OSHA because the material's average particulate size, as manufactured, is less than the inhalation average particulate size established by the ACGIH, Appendix D (particulates with average particulate sizes less than 100 micrometers or less than 100 microns require proper inhalation/respiratory protection). Please refer to OSHA Respiratory Protection Standards 29 CFR Part 1910.134 for proper protection.

For further information, contact:
Measurement Services Division at *e-mail* SRMMSDS@nist.gov; *telephone* (301) 975-2200 ; *fax* (301) 926-4751