



DATE: 16 November 2022

Product Identifier

SRM Number: 1932

SRM Name: Fluorescein Solution

Under the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1200, this Standard Reference Material (SRM) 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 SRM is intended for use in establishing a reference scale for fluorescence intensity based upon Molecules of Equivalent Soluble Fluorophore (MESF) units. This SRM is certified for the concentration of fluorescein with a certified purity in a borate buffer solution. The MESF scale is established for a particular set of experimental conditions by measuring the fluorescence intensity of known amounts of this SRM under a specific set of conditions. A unit of SRM 1932 consists of three flamed sealed amber glass ampoules, each containing approximately 2.0 mL of fluorescein (approximately 61 $\mu\text{mol/kg}$) in an aqueous borate buffer (0.10 mol/L). See certificate for storage information.

Disposal: SRM 1932 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).

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 SRM should ensure that this document and the corresponding Certificate of Analysis 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>.