

Material Safety Data Sheet*Revd 12-12-02*

Sanford Corporation
 2740 Washington Blvd.
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MSDS No: 211-63-A-1
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20526-0002

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 Medical Emergency No: 1-800-228-5635

Section 1 - Product Identification

Product Name: PhD™ Ball Point Pen
 Colors: All Colors

Includes: Multi-Pen

Section 2 - Composition

Glycols, phenoxy ethanol (122-99-6), colorants

Section 3 - Physical / Chemical Characteristics

For inks:

Boiling Point: Greater than 360°F
 Vapor Pressure (mm Hg): Less than 1 mm Hg
 Specific Gravity: 1.1
 Solubility in Water: Slight to moderate
 Appearance / Odor: Colored viscous liquid, slight odor
 Evaporation Rate: Unknown

*V-3660***Section 4 - Fire and Explosion Hazard Data**

Flash Point (Method Used): 200°F to 300°F
 Flammability Limits (% by volume): Lower: 1.2 % to 3.2% Upper: 12% to 16%
 Extinguishing Medium: N/A
 Special Fire Fighting Procedures: N/A
 Unusual Fire and Explosion Hazards: N/A

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Section 5 - Reactivity Data

Stability: Stable
 Conditions to Avoid: Temperature above 140°F
 Chemical Incompatibility: Oxidizing materials
 Hazardous Decomposition: Not available
 Hazardous Polymerization: Will not occur

Section 6 - Health Hazard Data

Chemical Listed as Carcinogen or Potential Carcinogen:

IARC Monographs: No
 National Toxicology Program: No
 OSHA Regulated: No

The product is considered safe under normal use conditions.

Section 7 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Wipe up with absorbent material.
 Waste Disposal Method: Dispose in accordance with Federal, State, and Local Regulations.
 Precautions to be Taken in Handling and Storing: Do not shake pen.
 Other Precautions: None

Section 8 - Personal Protection and Exposure Control Measures

Eye Protection: None under normal use conditions.
 Skin Protection: None under normal use conditions.
 Respiratory Protection: None under normal use conditions.
 Ventilation: None under normal use conditions.
 Protective Clothing: None under normal use conditions.

HMIS Code	
Health	N/A
Flammability	N/A
Reactivity	N/A
Personal Protection	N/A

0 = Minimal / 4 = Severe Hazard

Sanford Corporation has been advised by council that the OSHA Hazard Communication Standard does not apply to the Sanford Product described in this MSDS. The reason for the exemption is contained in 29 CFR Part 1910.1200 (b) (6) (ix), as amended July 1, 1994 per the Code of Federal Regulations. The information contained in this MSDS is forwarded to you for your information but is not meant to imply that the product is covered by the Hazard Communication Standard nor is the MSDS meant to comply with all requirements of the Hazard Communication Standard.