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**Material Safety Data Sheet**

4008.  
**MSDS#: 221-01**

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Sanford Corporation  
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Initiated By: Susan Nyborg  
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Medical Emergency No: 1-800-228-5635

**Section One: Product Identification**

Product Name: Sharpie<sup>®</sup> Industrial Extra Fine Point and Fine Point Markers  
Colors: Black

**Section Two: Composition**

Dyes, ethylene glycol monobutyl ether (111-76-2), ethylene glycol monoethyl ether (110-80-5), ethyl alcohol (64-17-5)

**Section Three: Physical and Chemical Characteristics**

**For ethylene glycol monoethyl ether:**  
Boiling Point: 273-277<sup>o</sup>F  
Vapor Pressure (mm Hg): 4.0 mm Hg at 68<sup>o</sup>F  
Specific Gravity: 0.929-0.931  
Solubility in Water: Not available  
Appearance and Odor: Clear liquid; glycol ether odor  
Evaporation Rate: Less than 0.32 (butyl acetate = 1)

**Section Four: Fire and Explosion Hazard Data**

Flash Point (Method Used): 110<sup>o</sup>F (PMCC)  
Flammability Limits (% by volume): Lower: 1.8% Upper: 14%  
Extinguishing Medium: As appropriate for surrounding area.  
Special Fire Fighting Procedures: N/A  
Unusual Fire and Explosion Hazards: N/A

**Section Five: Reactivity Data**

Stability:	Stable
Conditions to Avoid:	Not available
Chemical Incompatibility:	Not available
Hazardous Decomposition:	Not available
Hazardous Polymerization:	Will not occur.

**Section Six: Health Hazard Data**

Chemicals Listed as Carcinogens or Potential Carcinogen:

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

This product is considered safe under normal use conditions.

**Section Seven: Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spill:	Wipe up with absorbent material.
Waste Disposal Method:	Dispose in accordance with Federal, State, and Local Regulations.
Precautions to Be Taken in Handling and Storage:	Do not shake marker. Keep cap on marker when not in use.
Other Precautions:	None

**Section Eight: 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

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 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 the requirements of the Hazard Communication Standard.

0 = Minimal / 4 = Severe Hazard