Material Safety Data Sheet

MSDS#: 149-23

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: Flip Chart$_{TM}$ Markers

Colors: Black, Red, Blue, Green, Orange, Brown

This product has been reviewed per ASTM D4236 and conforms to this standard with no warning copy.

Section Two: Composition

Water, dyes, propylene glycol (57-55-6)

Section Three: Physical and Chemical Characteristics

	For propylene glycol:
Boiling Point:	370°F
Vapor Pressure (mm Hg):	0.5 mm Hg at 20°C
Specific Gravity:	1.08
Solubility in Water:	Complete
Appearance and Odor:	Colored ink; essentially odorless
Evaporation Rate:	Not available

Section Four: Fire and Explosion Hazard Data

Flash Point (Method Used):	225°F (COC)			
Flammability Limits (% by volume):	Lower:	2.6%	Upper:	12.5%
Extinguishing Medium:	As appropriate for surrounding area.			
Special Fire Fighting Procedures:	In pen, none is needed.			
Unusual Fire and Explosion Hazards:	None anticipated			

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Section Five: Reactivity Data

Stability:	Stable
Conditions to Avoid:	None known
Chemical Incompatibility:	None known
Hazardous Decomposition:	None known
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:	Clean 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

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 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.

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