

Material Safety Data Sheet

MSDS No: 100-02-A

Page 1 of 2

Sanford Corporation
2740 Washington Blvd.
Bellwood, IL 60104

Telephone No: 1-800-323-0749
Initiated By: Jamie Paulin
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Medical Emergency No: 1-800-228-5635

Section 1 - Product Identification

Product Name: Sharpie[®] Twin Tip
Colors: Black, Red, Blue, Green

Sanford Corporation is a member of The Art and Creative Materials Institute, Inc. This product is certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236 and is labeled with the AP Non Toxic seal. Products bearing the AP approved Product Seal of the Art and Creative Materials Institute, Inc. are certified in a program of toxicological evaluation by a medical expert, subject to review by the Institute Toxicological Advisory Board, to contain no materials in sufficient quantities to be toxic or injurious to humans, or to cause acute or chronic health problems.

Section 2 - Composition

Dyes, n-propanol (71-23-8), n-butanol (71-36-3), diacetone alcohol (123-42-2)

Section 3 - Physical / Chemical Characteristics

For n-propanol:
Boiling Point: 207 F
Vapor Pressure (mm Hg): 13 mm Hg at 20 C
Specific Gravity: 0.8044 at 20/20 C (water = 1)
Solubility in Water: Complete
Appearance / Odor: Mobile clear liquid with a mild alcohol odor
Evaporation Rate: 1.3 (butyl acetate = 1)

Section 4 - Fire and Explosion Hazard Data

Flash Point (Method Used): 84 F Tag Open Cup (ASTM D 1310)
Flammability Limits (% by volume): Lower: 2.2% in air by volume Upper: 14.0% in air by volume
Extinguishing Medium: N/A
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: N/A

Section 5 - Reactivity Data

Stability:	Stable
Conditions to Avoid:	Not available
Chemical Incompatibility:	Not available
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 when used 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 and discard in accordance with Federal, State, and Local Regulations.
Waste Disposal Method:	In accordance with Federal, State, and Local Regulations.
Precautions to be Taken in Handling and Storing:	Do not shake marker. Keep cap on marker when not in use.
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

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.

0 = Minimal / 4 = Severe Hazard