

Material Safety Data Sheet  
 May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

U.S. Department of Labor  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

03-941  
 03-948

IDENTITY (As Used on Label and List)  
**Redimark Ink 8700 Markers**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name <b>Dixon Ticonderoga Company</b>	Emergency Telephone Number <b>717-366-1011</b>
Address (Number, Street, City, State, and ZIP Code) <b>Route 61 Deer Lake, PA 17961</b>	Telephone Number for Information <b>same as above</b>
	Date Prepared <b>3/21/88 Update 3/30/89</b>
	Signature of Preparer (optional)

Section II -- Hazardous Ingredients/Identify Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
<b>Xylene CAS 1330-20-7</b>		<b>100 ppm</b>		<b>80%</b>

Section III -- Physical/Chemical Characteristics

Boiling Point	<b>140C</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>.91</b>
Vapor Pressure (mm Hg.)	<b>9.5</b>	Freezing Point	<b>NA</b>
Vapor Density (AIR = 1)	<b>4.5</b>	Evaporation Rate (Butyl Acetate = 1)	<b>.6</b>

Solubility in Water  
**Negligible**

Appearance and Odor  
**Uniform Liquid, Aromatic Odor**

Section IV -- Fire and Explosion Hazard Data

Flash Point (Method Used) <b>28C TCC</b>	Flammable Limits	LEL <b>1.1</b>	UEL No Info <b>available</b>
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**NFPA Class B Extinguisher**

Special Fire Fighting Procedures  
**Water spray may be ineffective on fire but can cool containers**

Special Fire and Explosion Hazards

**Keep away from heat and open flames. Closed container may explode if exposed to extreme heat.**

Product Company

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OSHA 172, Sept. 1980

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid <b>Heat, sparks and open flame</b>
	Stable	<b>X</b>	

Incompatibility (Materials to Avoid)  
**Isolate from strong oxidizers such as permanganate.**

Hazardous Decomposition or Byproducts  
**None**

Hazardous Polymerization	May Occur		Conditions to Avoid <b>NA</b>
	Will Not Occur	<b>X</b>	

**Section VI — Health Hazard Data**

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>

Health Hazards (Acute and Chronic)  
**Irritating to skin and respiratory tract. Inhalation may cause dizziness, unconsciousness or coma. May severely irritate eyes.**

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulator?
	<b>No</b>	<b>No</b>	<b>No</b>

Signs and Symptoms of Exposure  
**Inhalation may cause dizziness. Contact may cause defatting of the skin.**

Physical Conditions  
Generally Aggravated by Exposure **No Information Available**

Emergency and First Aid Procedures  
**Inhalation—move to fresh air. Skin contact—wash thoroughly with water.**

**Eye contact—flush with water for 15 min., Get medical attention. Ingestion—Get medical attention immediately.**

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled  
**Isolate from sources of ignition. Mop up and discard.**

Waste Disposal Method  
**Hazardous waste. Dispose of per federal, state and local pollution regulat**

Precautions to Be Taken in Handling and Storing  
**Danger-Flammable. Harmful if swallowed. Keep away from heat and open flame.**

**Use only with adequate ventilation. Keep container closed when not in use.**

Other Precaution  
**Do not store above 49C (120F). Empty container is hazardous.**

**Section VIII — Control Measures**

Respiratory Protection (Specify Type)  
**NIOSH approved respirator for Emergency use.**

Local Exhaust	<b>Preferrable</b>	Special	<b>NA</b>
Mechanical (General)	<b>Acceptable</b>	Other	<b>NA</b>

Hand Protection  
**Must not dissolve in solvents**

Eye Protection  
**Safety goggles required**

Other Protective Clothing or Equipment  
**As required to prevent contact.**

Personal Hygiene Practices  
**Wash hands thoroughly after handling.**