

MATERIAL SAFETY DATA SHEET

Section One: Identification

Made Exclusively for:
Panduit Corp.
17301 S. Ridgeland Avenue
Tinley Park, IL 60477

Product Name: Nylon Marking Pens
PX-2, PFX-2,

Color: Red

By:
Sanford, L.P.
2707 Butterfield Road
Oak Brook, IL 60523 USA
800-323-0749 or 630-481-2000

EMERGENCY MEDICAL NUMBER:
888-786-0972

Section Two: Composition

Ingredients	CAS Number	% by Weight	PEL/TLV
Ethanol	64-17-5	60 - 80	1000 ppm TWA
n-Butanol	71-36-3	0 - 20	N/A
Diacetone alcohol	123-42-2	0 - 10	50 ppm TWA
Resins	N/A	5 - 10	N/A
Dyes	N/A	5 - 15	N/A
**Ethylene glycol monomethyl ether	109-86-4	0 - 6	5 ppm TWA

Section Three: Hazards Identification

Routes of Entry:

By Inhalation: May cause dizziness, drowsiness, nausea, or vomiting.

Skin: Prolonged contact can cause irritation, defatting, or dermatitis.

Eye: Irritation possible.

By Ingestion: Dizziness, drowsiness, decreased reaction, nausea, vomiting.

Section Four: First Aid Measures

Inhalation: Move to fresh air. Consult a physician, if symptoms persist.

Skin Contact: Wash with soap and water. Remove and launder contaminated clothing.

Eye Contact: Flush with water for fifteen (15) minutes. Consult a physician.

Ingestion: Give two glasses of water and induce vomiting. Call a physician.

MATERIAL SAFETY DATA SHEET

Section Five: Fire Fighting Measures

Flash Point: 72F (CC) ASTM D93

Flammability Limits (% by volume): Lower: 3.3% Upper: 19.0%

Extinguishing Media: Alcohol foam, carbon dioxide, or dry chemical

Special Fire Fighting Measures: Use self-contained breathing apparatus and protective clothing

Unusual Fire and Explosion Hazards: Heavier than air vapors may be ignited by remote sources

Section Six: Accidental Release Measures

Eliminate all ignition sources. Stop spill at source and prevent the material from entering drains, sewers, streams, or other bodies of water. Soak up with absorbent material and transfer to proper container for disposal, using appropriate personal protective equipment.

Section Seven: Handling and Storage

Handling: No special handling requirements.

Storage: No special storage requirements.

Other Precautions: **Ethylene Glycol Monoethyl Ether is a chemical listed on California Proposition 65 as a known fetotoxin as of January 1, 1989. Exposure of this chemical may cause harm to the developing fetus or cause birth defects. Exposure may cause damage to blood forming tissue, liver, kidney, or to the testes.

Section Eight: Exposure Controls and Personal Protection

Eye Protection: OSHA approved goggles for splash protection

Protective Clothing: Chemically resistant gloves and impervious clothing

Respiratory Protection: Self-contained breathing apparatus where recommended TLV's are exceeded.

Ventilation: General or local as necessary

Section Nine: Physical and Chemical Properties

Boiling Point: 174F (ethanol)

Specific Gravity: Not determined

Vapor Pressure: Not determined

Solubility in Water: Soluble

Evaporation Rate: Not determined

Appearance/Odor: Colored liquid, alcoholic odor

pH: Not applicable

MATERIAL SAFETY DATA SHEET

Section Ten: Stability and Reactivity

Stability:	Stable
Conditions to Avoid:	Excessive heat
Chemical Incompatibility:	Strong oxidizers
Hazardous Decomposition:	Carbon monoxide/carbon dioxide in fire situation
Hazardous Polymerization:	Will not occur

Section Eleven: Toxicological Information

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

Section Twelve: Ecological Information

Not available

Section Thirteen: Disposal Considerations

Dispose in accordance with Federal, State, and Local Regulations

Section Fourteen: Transport Information

Printing Ink, 3, UN1210, PGII

Section Fifteen: Regulatory Information

TSCA Inventory:

The product on this Material Safety Data Sheet is not listed on the United States Environmental Protection Agency Toxic Substances Control Act Inventory. However, the components of the product are included in the TSCA Inventory.

Section Sixteen: Other Information

HMIS Code	
Health	1
Flammability	3
Reactivity	0
Personal Protection H	
0=Minimal/4=Severe	

The product, which contains the ink above, meets the requirements of the Federal Substances Labeling Act Exemption for pens and markers because it is a porous-tip ink-marking device constructed so that a) the ink is held within an absorbent material that no free liquid is within the device, b) under reasonably foreseeable conditions of manipulation and use the ink will emerge only through the porous writing nib, and c) the device has a capacity of not more than 10 g of ink which has a single dose oral LD50 of not less than 2.5 g/kg of body weight of the test animal. The information on this MSDS refers to the inks used in pens or markers and the handling of these inks in bulk. This MSDS is provided for the purpose of disclosing Product Hazards and does not constitute Product Specification. All warranties, either expressed or implied, are hereby disclaimed.