

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-0, PFX-0,

Colors: Black

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 | 10 - 20 | 50 ppm TWA |
| Benzyl Alcohol | 100-51-6 | 5 - 10 | |
| Resins | N/A | 5 - 10 | N/A |
| Dyes | N/A | 5 - 10 | N/A |

Section Three: Hazard 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.

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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: N/A

Section Eight: Exposure Controls and Personal Protection

Eye Protection: OSHA approved goggles for splash protection

Clothing: Chemically resistant gloves and impervious clothing

Respirator: 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: Colored liquid; alcoholic odor

Appearance/Odor: Not determined

pH: Not applicable

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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

| | |
|-------|-------------------------------|
| DOT: | Printing Ink, 3, UN1210, PGII |
| IATA: | |
| IMO: | |

Section Fifteen: Regulatory Information

TSCA Inventory:

The product on this Material Safety Data Sheet is not listed on the United States Environmental Protection Agency's Toxic Substances Control Act Inventory. However, all components used in the manufacture of this 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 reasonable 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.