

Material Safety Data Sheet

Product No. 22301, 22302 Para-Tissuer Pen and Fro-Tissuer Pen

Issue Date (04-20-12)

Review Date (08-05-14)

Section 1: Product and Company Identification

Product Name: Para-Tissuer, Fro-Tissuer

Use for preparation: Mounting pen for sample tissue

Synonym: Paraffin Pen / Pen for Frozen Sections

Manufacturer: Proprietary

Company Name

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Domestic Phone (800) 237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

International Phone (01) (530) 243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Chemtrec Emergency Number 1-800-424-9300 24 hrs a day.

2 - Hazards identification

Acute toxicity matter, Flammable. Harmful by inhalation and in contact with skin.

Irritating to skin and eye.

3 - Composition / information on ingredients

92% 1-Butanol CAS #71-36-3

4 - First-aid measures

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes

- call a physician

Skin contact: Wash off with soap and water. Remove contaminated clothes.

Ingestion: Rinse out mouth with water - no induce vomiting - call a physician

Inhalation: Fresh air - call a physician

5 - Fire fighting measures

Suitable extinguishing media: Dry powder, foam, carbon dioxide.

6 - Accidental release measures

Protect hand with glove and wipe it off with a waste and alcohol.

Collect in the container which can be sealed.

7 - Handling and storage

Handling: Prevent touching skin, eyes, mucous membrane, clothes.

Work place must be ventilated enough.

Storage: Keep tightly closed, store in a well ventilated place. Avoid fire and direct rays of the sun.

8 - Exposure controls / personal protection

-content fluid-

Exposure limits: 50ppm (ACGIH2005)

Eye protection Goggles or face-shield

Skin protection

Use in a well-ventilated place. Avoid prolonged breathing of vapor, if necessary use mask for vapor of organic compounds, respiratory protection, latex or chemical resistant gloves.

9 - Physical and chemical properties

appearance: liquid colorless

odor: vinous (slight)

pH: 7

boiling point: 78°C

melting point: -90°C

specific gravity: 0.810

vapor pressure: 0.6 kPa(20°C)

vapor density:

water solubility: 77g/L(20°C)water

solvent solubility: soluble

10 - Stability and reactivity

conditions / substances to avoid: Stable under normal conditions. avoid contact with combusive substances. avoid strong oxidizing agents.

11 - Toxicological information

-content fluid-

ingestion: 1227 mg/kg

12 - Ecological information

not available

13 - Disposal considerations

Observe all state and local environmental regulations regarding waste disposal.

14 - Transport information

Do not drop from the places more than 1m, pen body will be damaged.

Do not put in the places 40°C or more.

15 - Regulatory information

Depends on the laws and ordinances of each country

16 - Other information