



Material Safety Data Sheet

Product No. 22309, 22311 Super PAP Pen, Liquid Blocker, Regular, Mini

Issue Date (03-21-07)

Review Date (06-01-12)

Section 1: Product and Company Identification

Product Name: Super PAP Pen, Liquid Blocker, Regular, Mini

Synonym: None

**Manufacture/Distributor Name: Daido Sangyo Co. Ltd. Tokyo Japan/Mugen, Inc.,
Greenwich CT 06830**

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.

Section 2: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA PEL mg/m3	ACGIH TLV mg/m3	NTP	IARC	OSHA regulated
Abzol (106-94-6)	60.5	ND	10 PPM	ND	ND	ND
Butadiene rubber(106-99-0)	30	ND	ND	ND	ND	ND
Ligroin (8032-32-4)	9.5	ND	300 PPM	ND	ND	ND

Section 3: Hazard Identification

Emergency overview

Appearance: Liquid, dark gray.

Immediate effects: This pen contains industrial chemicals and liquid in pen extremely irritating to eyes.

Potential health effects

Primary Routes of entry: Skin, eye, inhalation and ingestion. Not likely at Conditions of Intended or normal Use (C.I.U.).

Signs and Symptoms of Overexposure: ND

Eyes: Liquid extremely irritating to eyes (C.I.U.).

Skin: Irritating to Skin (C.I.U.).

Ingestion: Call a physician. (C.I.U.).

Inhalation: Causes mucus membrane and respiratory tract irritation. (C.I.U.).

Chronic Exposure: (C.I.U.)

Chemical Listed As Carcinogen Or Potential Carcinogen: None listed by Manufacturer.

See Toxicological Information (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: Liquid extremely irritating to eye, flush with plenty of water and see medical attention. (C.I.U.)

Skin Contact: In case of contact wash thoroughly with soap and water and flush with plenty of water. (C.I.U.)

Inhalation: Remove to fresh air. If breathing is difficult call physician. (C.I.U.)

Ingestion: Call a physician. (C.I.U.)

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: 71°C

Flammable Limits: Lower Limit: 4% by Volume. Upper Limit: 8% by Volume.

Auto-ignition point: 490°C

Fire Extinguishing Media: Carbon Dioxide

Special Fire Fighting Procedures: Fire extinguisher.

Unusual Fire and Explosion Hazards: ND

Hazardous combustion products: ND

DOT Class: Not regulated

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: (C.I.U.) Neutralizing Media: Alcohol.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

Section 7: Handling and Storage

Precautions to be Taken in Handling and Storage: Keep from heat and open flame, strong oxidants and small children. Do not open back plug of pen.

Storage temperature: Room temperature.

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Use in well ventilated area and keep from heat and open flame

Personal Protection Equipment

Respiratory protection: Use in well ventilated area.

Protective gloves: This pen contains industrial chemicals avoid skin contact use gloves.

Skin protection: Avoid contact with skin.

Eye protection: Wear safety glass and avoid contact with eyes.

Additional clothing and/or equipment: ND

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Liquid, dark gray / Pen

Odor (threshold): ND

Specific Gravity (H₂O=1): ND

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Viscosity (at 20°C): 40 cps

Evaporation Rate (butyl acetate=1): ND

Boiling Point: 71°C

Freezing point / melting point: ND

pH: 7

Solubility in Water: 0%

Molecular Weight: NA

Section 10: Stability and Reactivity

Stability: Stable at Conditions of Intended or normal Use

Conditions to Avoid: Keep from heat and open flame, strong oxidants and small children.

Do not open back plug of pen.

Materials to Avoid (Incompatibility): Strong oxidants.

Hazardous Decomposition Products: ND

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed: 1-Bromopropane (106-94-6) exhibits low acute toxicity. Rat (oral) LD50: > 2000 mg/Kg

Human experience: Abzol or 1-Bromopropane (106-94-6): A case study of exposed worker developed polyneuropathy may have resulted from 1-BP

This product **does** not contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12: Ecological Information

Ecological Information: ND

Chemical Fate Information: Airborne 1-Bromopropane (106-94-6) has an atmospheric lifetime of 15 days.

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: ND

Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

US DOT Information: Proper shipping name: Not regulated

IATA: Proper shipping name: Not regulated

IMO: Proper shipping name: Not regulated

Canadian TDG: Not regulated

Section 15: Regulatory Information

United States Federal Regulations

MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA: ND

SARA Title III: ND

RCRA: ND

TSCA: Components are listed

CERCLA: No

State Regulations

California Proposition 65: **Warning:** This product contains chemical(s) known to the State of California to cause birth defects or other reproductive harm. Abzol or 1-Bromopropane (106-94-6).

International Regulations

Canada WHMIS: ND

Europe EINECS Numbers: ND

Section 16: Other Information

Label Information: ND

European Risk and Safety Phrases: ND

European symbols needed: ND

Canadian WHMIS Symbols: ND

Hazard Rating: Health: **ND**; Fire: **ND**; Reactivity: **ND**
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Abbreviations used in this document

*Note: Not likely at Conditions of Intended or normal Use (C.I.U.).

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.

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