



Material Safety Data Sheet

Product No. 1556 Grid Coating Pen

Issue Date (08-28-95)

Review Date (05-04-12)

Section 1: Product and Company Identification

Product Name: Grid Coating Pen

Synonym: Coat-Quick™ G Pen

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
1,1,1-Trichloroethane (71-55-6)	ND	1900	1900	No	Group 3	No
Resin (64742-16-1)	ND	ND	ND	No	No	No

Solvent and resin are contained in Pen.

Section 3: Hazard Identification

Emergency overview

Appearance: Pen, Ink is colorless and solvent odor

Immediate effects: ND

Potential health effects

Primary Routes of entry: Not expected to happen as a pen.

Signs and Symptoms of Overexposure: ND

Eyes: Mild to severe irritation to eyes.

Skin: Slight irritation to skin.

Ingestion: May be harmful if swallowed

Inhalation: May be harmful if inhaled.

Chronic Exposure: ND

Chemical Listed As Carcinogen Or Potential Carcinogen:

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: Flush eyes with plenty of water, seek medical help.

Skin Contact: Wash thoroughly with soap and water.

Inhalation: Not expected to happen as a pen. In high concentrations the vapors may have a narcotic effect.

Ingestion: Not expected to happen as a pen. Seek medical help

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures

Flash Point: Resin: 550 °F, 1,1,1-Trichloroethane (71-55-6): ND

Flammable Limits: ND

Auto-ignition point: Resin: ND, 1,1,1-Trichloroethane (71-55-6): 998.6 °F

Fire Extinguishing Media: ND

Special Fire Fighting Procedures: ND

Unusual Fire and Explosion Hazards: ND

Hazardous combustion products: May decompose and emit toxic chloride fumes if exposed to high temperatures

DOT Class: ND

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: In case the liquid is spilled or leaks from the pen, soak up liquid with cotton or sponge.

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: Normal handling is acceptable. This type of liquid is to be used by well experience technicians. Store at room temperature and keep away from heat, open flame and small children.

Storage temperature: Ambient.

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: Recommend working in well ventilated area or chemical hood.

Personal Protection Equipment

Respiratory protection: Work in well ventilated area.

Protective gloves: Normally not required, wear gloves if contact may occur.

Skin protection: Normally not required.

Eye protection: Normally not required.

Additional clothing and/or equipment: Normally not required.

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Solvent and resin are contained in Pen.

Odor (threshold): ND

Specific Gravity (H₂O=1): 1.4 g/L

Vapor Pressure (mm Hg): 40 mm Hg

Vapor Density (air=1): 0.8

Percent Volatile by volume:

Evaporation Rate (butyl acetate=1):

Boiling Point: 80°C

Freezing point / melting point: NA

pH: ND

Solubility in Water: 1.5

Molecular Weight: NA

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Keep away from heat and open flame.

Materials to Avoid (Incompatibility): ND

Hazardous Decomposition Products: Nonflammable, but may decompose and emit toxic chloride fumes if exposed to high temperatures. Used as a solvent.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed: ND

Human experience: ND

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: ND

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: ND

IMO: Proper shipping name: Not regulated.

Marine Pollutant: No

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:

RCRA: ND

TSCA: ND

CERCLA: ND

State Regulations

California Proposition 65: None listed

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:

Hazard Rating: Health: **ND**; Fire: **ND**; Reactivity: **ND**

(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Abbreviations used in this document

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

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