

**PRESSTEK, LLC**  
**ARTICLE SHEET**

**Product Name:** PEARLdry Plus Plates Rolled

**Effective Date:** 09/30/15  
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<b>Section 1. Product and Company Identification</b>
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**Product Name:** PEARLdry Plus Plates Rolled

**Product Use and Description:** .Non-photosensitive, waterless, polyester-based printing plates for use with thermal laser imaging system.

**Supplier:** Presstek, LLC  
55 Executive Drive  
Hudson, New Hampshire 03051-4922  
U.S.A.

**General inquiries: Contact Customer Service at 1-603-595-7000 or send e-mail to: [info@Presstek.com](mailto:info@Presstek.com).**

<b>Section 2. Composition/Information on Ingredients</b>
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PEARLdry Plus printing plates are chemically inert media. During laser imaging, trace amounts of thermal byproducts may be emitted in the form of gases, vapors and /or aerosols.

**OSHA Regulatory Status**

PEARLdry Plus printing plates are manufactured articles which are excluded from the requirements of the OSHA Hazard Communication standard (29 CFR 1910.1200). Under normal conditions of use, PEARLdry Plus printing plates may emit minute or trace amounts of thermal byproducts and should not pose a physical hazard or health risk to workers. Potential thermal byproducts are emitted at concentrations substantially below recommended occupational health exposure limits. Overexposure to thermal byproducts should not occur in normal conditions of use and adverse health effects and symptoms are not expected.

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### Section 3. Hazards Identification

#### Emergency Overview

Rolls of plastic film wound on steel spools that pose little or no immediate hazard for emergency response personnel.

#### Potential Health Effects

Under normal conditions of use, trace amounts of thermal byproducts may be emitted during laser imaging. The concentrations emitted are very low and substantially below recommended occupational health guidelines. No health effects or symptoms are expected in normal use of this product. Overexposure to thermal byproducts should not occur.

**Inhalation:** No hazard expected in normal use. Odor may be noticeable during laser imaging.

**Eye Contact:** No hazard expected in normal use.

**Skin Contact:** No hazard expected in normal use.

**Ingestion:** No hazard expected in normal use. Ingestion is not an expected route of exposure during normal use. If ingested, consult a physician.

### Section 4. First Aid Measures

**Inhalation:** No health effects expected. If symptoms are experienced, move victim to fresh air and obtain medical attention.

**Eye Irritation:** No health effects expected. If irritation does occur, move victim to fresh air. Flush with lukewarm, gently flowing water for five minutes while holding eyes open. If irritation persists, consult a physician.

**Skin Irritation:** No health effects expected. If irritation does occur, flush with lukewarm, gently flowing water for five minutes. If irritation persists, consult a physician.

**Ingestion:** Not an expected route of exposure during normal use. If ingested, consult a physician.

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### Section 5. Fire Fighting Measures

**Flash Point and Method:** Not applicable

**Flammable Limits in Air:** Not applicable

**Autoignition Temperature:** Not known

**Flammability Classification:** Not flammable as shipped.

**Extinguishing Media:** Dry chemical, water spray or media appropriate for surrounding material.

**Fire Fighting Instructions:** As in any fire, fire fighters should wear NIOSH approved pressure-demand, self-contained breathing apparatus (SCBA) and full protective gear.

### Section 6. Accidental Release Measures

Not applicable. PEARLdry Plus plates could possibly create a slipping hazard on the floor. Collect plates for appropriate disposal.

### Section 7. Handling and Storage

**Handling:** No special requirements.

**Storage Conditions:** Store away from heat and sources of ignition. Do not store in direct sunlight. Avoid prolonged storage in high or low temperatures. Keep away from excessive moisture. Recommended storage temperature are 50° F (10° C) to 80° F (26.7° C).

### Section 8. Exposure Controls/Personal Protection

**Engineering Controls:**

The use of local exhaust and general dilution ventilation are recommended.

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Outdoor air requirements for general dilution ventilation as per ASHRAE Standard 62-1989 (Ventilation for Acceptable Indoor Air Quality) are recommended for commercial facilities with laser imagers regardless of the type of media that may be imaged. For office space, 20 cubic feet per minute (cfm) of outside air per person is recommended. For duplicating/printing rooms, 0.5 cfm of outside air per square foot of floor space is recommended.

### **Personal Protective Equipment (PPE)**

**Eye/face protection:** None required

**Skin protection:** None required

**Respiratory protection:** None required

**General Hygiene Considerations:** There are no known health hazards associated with this plate when used as recommended. The following general hygiene considerations are recognized as common, good industrial hygiene practices:

- Wash hands after use and before eating
- Avoid breathing thermal byproducts

## **Section 9. Physical and Chemical Properties**

**Odor:** None

**Physical state:** Solid sheet

**pH:** Not applicable

**Vapor pressure:** Negligible @ 68° F (20° C) (polyester)

**Vapor density:** Not applicable

**Boiling point:** Not applicable

**Melting point:** ~500° F; ~260° C (polyester)

**Solubility in water:** Not soluble

**Density:** 1.2 – 1.38 g/cm<sup>3</sup> (polyester)

**Octanol/water coefficient:** Not applicable

## **Section 10. Stability and Reactivity**

**Stability:** Stable

**Conditions to avoid:** None known

**Materials to avoid:** None known

**Hazardous polymerization:** Will not occur.

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### Section 11. Toxicological Information

#### **Polyester Film Base**

Oral-rat ALD: > 10,000 mg/kg

#### **Thermal Byproducts**

The potential thermal byproducts of this media have not been tested as a whole for human or animal toxicity data.

### Section 12. Ecological Information

This product has not been tested for environmental impact. No information is available regarding ecotoxicity or environmental fate.

### Section 13. Disposal Considerations

Discarded plates may be incinerated or disposed as solid waste according to local solid waste rules. Freedom plates are not a listed hazardous waste under RCRA and do not exhibit hazardous waste characteristics.

### Section 14. Transport Information

This product is not regulated by the U.S. Department of Transportation (DOT).

This product is not regulated by the International Air Transport Association (IATA).

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### Section 15. Regulatory Information

#### Toxic Substances Control Act (TSCA)

This product is defined as an article and is exempt from the reporting requirements of TSCA.

#### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

This product is defined as an article and is exempt from the reporting requirements of CERCLA.

#### Title III of the Superfund Amendments and Reauthorization Act (SARA Title III)

This product is defined as an article and is exempt from the reporting requirements of SARA.

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End of ARTICLE SHEET