

# Product Data Sheet

No. 11510 - 09/18

## LIQUID PRO® MARKING SYSTEM

### PRODUCT NUMBERS:

|                    |                    |                      |
|--------------------|--------------------|----------------------|
| 1510 SAFETY RED    | 1515 BLACK         | 1520 FLO. RED        |
| 1511 SAFETY YELLOW | 1516 WHITE         | 1521 FLO. ORANGE     |
| 1512 SAFETY BLUE   | 1517 HI VIS YELLOW | 1522 FLO. GREEN      |
| 1513 SAFETY GREEN  | 1518 SILVER        | 1523 FLO. PINK       |
| 1514 SAFETY ORANGE | 1519 PURPLE        | 1524 FLO. RED-ORANGE |

### I. GENERAL DESCRIPTION

**Description:** The Liquid Pro Marking System is designed to deliver the professional performance of an aerosol marking paint without using propellants or compressed air. The Paint-In-A-Bag™ Marking Paint cartridge works with the patented, rechargeable #1500 Applicator and dispenses like standard marking paint. The system provides a safer way to ship, store, dispose, and apply marking paint.

**Benefits:** Because there is no propellant the Liquid Pro Marking System eliminates many of the hazards associated with the shipping, storage, use and disposal of empty aerosol marking paints. Color changes can be made in less than 10 seconds and when empty the cartridge can be disposed in normal refuse containers. See the Applicator Product Data Sheet for more detail of the delivery method.

**Uses:** Locators, construction and landscape contractors, D.O.T, and golf courses. Use to dispense marking paints in the form of lines, numbers, words, etc.

**Directions:** Shake the cartridge for 1 to 2 minutes. Insert the Liquid Pro paint cartridge at an angle into the ring at the bottom of the Applicator and slide back into the motor housing. The spring at the bottom of the ring will hold it in place. Do not shake while inserted in the Applicator. Press the power button and squeeze the trigger to dispense paint. Allow 2 seconds for a new cartridge to prime before paint dispenses. The cartridge may be pressurized after use. To release pressure, point it away from you and manually activate the tip prior to removing it from the Applicator. For best results apply when the air and substrate temperatures are between 60°- 80°F (15° - 27°C). When operating in cold weather especially temperatures below freezing, use cartridges that are kept above 40. The warmer the cartridge is before being exposed to the cold will extend your working time.

**Color Note:** If using on grass we recommend using #1511 Safety Yellow. If using on asphalt we recommend using #1517 Hi Vis Yellow.

**Limitations:** Please refer to the Safety Data Sheets for specific information on material hazards, etc. Never point cartridge at your face or other people. **Do not allow product to freeze.**

### Accessory:

- #1500 Liquid Pro Applicator
- #1501 Liquid Pro Spot Applicator
- #1504 Replacement Battery Pack
- #1505 Replacement Battery Pack with 120V AC Battery Charger
- #1506 12V DC Battery Charger
- #1507 120V AC Battery Charger

### Packaging:

|                 |                    |                       |                |
|-----------------|--------------------|-----------------------|----------------|
| Each Cartridge: | 1.2 lbs. (0.54 kg) | 12.5 fl. oz. (370 ml) |                |
| Case: 12/case   | 16 lbs. (7.26 kg)  | 0.68 CF (0.02 CM)     | 12" x 9" x 11" |



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## II. CHARACTERISTICS & PROPERTIES (Average for all colors 1510-1529)

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### Specifications:

#### Appearance:

|                    | Regular Colors | Fluorescent Colors |
|--------------------|----------------|--------------------|
| Gloss at 60° ..... | <5 .....       | <5 .....           |
| Class .....        | Flat .....     | Flat .....         |

#### Coverage:

|                                |                           |                         |
|--------------------------------|---------------------------|-------------------------|
| Theoretical—at 1 mil dry ..... | 250 - 275 linear ft. .... | 250-275 linear ft. .... |
| Practical—at ½ mil dry .....   | 550-625 linear ft. ....   | 550-625 linear ft. .... |

#### Drying Schedule: (At 77°F [25°C], 50% Humidity at 1 mil, dry)

|                 |               |               |
|-----------------|---------------|---------------|
| To touch .....  | 15 min. ....  | 15 min. ....  |
| To handle ..... | 30 min. ....  | 30 min. ....  |
| Full cure ..... | 8 hrs. ....   | 8 hrs. ....   |
| To recoat ..... | Anytime ..... | Anytime ..... |

#### Performance and Chemical Properties:

|                                       |                                  |                      |
|---------------------------------------|----------------------------------|----------------------|
| Weight per gallon .....               | 9.08 lbs. ....                   | 8.61 lbs. ....       |
| Specific gravity .....                | 1.09 .....                       |                      |
| Viscosity .....                       | #2 Spindle 60 rpm, 200 cPs ..... |                      |
| Flammability: Label marking .....     | Extremely Flammable .....        |                      |
| Flash point .....                     | <32°F (0°C) .....                |                      |
| Temperature range: Best Results ..... | 60° to 80°F (14° to 27°C) .....  |                      |
| Operating .....                       | 40° to 90°F (4.4° to 32°C) ..... |                      |
| Percent solids by weight .....        | 42% .....                        | 42% .....            |
| Percent solids by volume .....        | 23% .....                        | 25% .....            |
| Percent pigment by volume .....       | 7% .....                         | 7% .....             |
| Volatile Organic Compound level ..... | 490 g/L .....                    | 485 g/L .....        |
| CARB MIR (ground traffic) .....       | N/A .....                        | N/A .....            |
| Interior durability .....             | Excellent .....                  | Excellent .....      |
| Exterior durability .....             | Good .....                       | Good .....           |
| Temperature resistance .....          | N/A .....                        | N/A .....            |
| Color fastness .....                  | Good .....                       | Fair .....           |
| Adhesion .....                        | Good .....                       | Good .....           |
| Mineral Spirits resistance .....      | Excellent .....                  | Excellent .....      |
| Gasoline resistance .....             | Poor .....                       | Poor .....           |
| Motor oil resistance .....            | Excellent .....                  | Excellent .....      |
| Food contact rating .....             | Not applicable .....             | Not applicable ..... |

#### Base Materials:

|                          |                                       |   |
|--------------------------|---------------------------------------|---|
| Resin system .....       | Alkyd .....                           | Alkyd .....                                     |
| Solvents (top two) ..... | Aliphatic Petroleum Distillates ..... | Aliphatic Petroleum Distillate,<br>Hexane ..... |

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## III. SHIPPING, STORAGE AND HEALTH

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|                                      |                                  |
|--------------------------------------|----------------------------------|
| UN number .....                      | UN1263 .....                     |
| Proper Shipping Description .....    | Paint .....                      |
| Hazard Class .....                   | 3 .....                          |
| Packing Group .....                  | II .....                         |
| Limited Quantity .....               | Yes .....                        |
| Warehouse storage level number ..... | N/A .....                        |
| Storage temperature .....            | 40° to 90°F (4.4° to 32°C) ..... |
| Shelf life .....                     | 1-year .....                     |

#### HMIS ratings

|                  |         |
|------------------|---------|
| Health .....     | 2 ..... |
| Fire .....       | 3 ..... |
| Reactivity ..... | 1 ..... |

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## IV. MISCELLANEOUS

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Contains no Ozone Depleting Substances (O.D.S.)

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## V. WARRANTY

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1-year performance warranty on all products from date of purchase. Report to home office or local Aervoe representative for examination. Because Seller cannot control Buyer's handling or use of product, Seller makes no warranty expressed or implied when not used or stored in accordance with directions. Seller shall not be liable for cost of labor, incidental or consequential damages, and this warranty is limited to replacement of product or credit of purchase.