

Product Data Sheet

No. 1610 - 11/12

TREE MARKING PAINT

Aerosol and Bulk Liquid: MIR 120 Flat, VOC<450 g/L (regular), MIR 1.75 Fluorescent, VOC<450 g/L (fluorescent)

PRODUCT NUMBERS:

610 - RED	645 - DARK GREEN	681 - PURPLE	691 - FLUORESCENT PINK
620 - ORANGE	650 - BLUE	688 - FLUORESCENT GREEN	692 - FLUORESCENT ORANGE-RED
630 - YELLOW	660 - BLACK	690 - FLUORESCENT RED	693 - FLUORESCENT YELLOW
640 - GREEN	670 - WHITE		

Product number plus letter designation is as follows:

Q = 12 one quart cans per case; G = 2 one-gallon cans per case; F = 1 five-gallon pail; D = 50-gallon drum

I. GENERAL DESCRIPTION

Description: Aervoe Tree Marking Paint is a full line of ready-mixed products for use during all seasons. This heavily-pigmented product provides bright visual identification at a great distance for dependable and cost-effective boundary and inventory marking.

Benefits: Available in eight regular and five fluorescent colors. Blended to offer speedy application, and will not soak into the wood. Aerosol tip selections provide a choice of either vertical or horizontal markings. Excellent for horizontal numbering, lettering or writing. Regular and fluorescent colors available in aerosol and bulk liquid. Quart containers fit and attach to most marking hand guns, limiting costly changeover. All colors are lead-free for safest application and environmental consideration. Contains no ozone depleting substances.

Application: Use for marking cut wood, trees, logs, railroad ties, pulpwood and finished lumber for grade and select cut marking.

Directions: Apply to a dry, or near dry, surface that is somewhat clean and free of mud and other material that may block paint adhesion. For wet applications use Aervoe Wet Coat tree marking paint. For best results, use at temperatures between 30° and 100°F (-1° and 38° C). For aerosol application, each can is supplied with two spray tip heads. Select desired spray nozzle and place in valve seat. The red spray tip, which is standard on

the can, provides a circular spray pattern for banding and spotting, and should be sprayed at a distance of 8 to 12 inches. The white spray tip is for numbering and writing at 8 to 12 inches. Exchange tips for the application required, as needed. Align sprayhead with black mark on valve rim to ensure complete evacuation of contents. Shake can vigorously for at least one minute after agitator ball rattles, and intermittently during use. Recoating is not necessary. Prepare can for storage by turning upside down and spraying for 2 to 3 seconds. If clogging occurs, turn spray tip 1/4 turn; if it persists, remove and clean slot on tip. Never stick a pin or any other object into tip opening or into stem. Replace spray tip with a gentle, twisting motion, making certain the slot is pointed away from you. For bulk application, use at full strength with no thinning required at normal temperatures. In extremely cold weather, thin up to 10% with mineral spirits, and shake into mixture before attaching gun. For quart containers, unscrew cap and attach directly to tree marking gun. Product is ready for use. Leave gun attached to can for trouble-free daily operation. Whenever gun is not to be used for several days, clean thoroughly with solvent.

Limitations: Please refer to the Material Safety Data Sheet for specific information on material hazards, etc. Product is extremely flammable, and is intended for outdoor use only.

Packaging:

Aerosol:	Cans (211x604)	12 oz. net wt. (340 grams)	12.7 fl. oz. (376 ml)
	12 cans/case	14 lbs. (6.4 kg)	0.47 CF (0.013 CM)
Regular/Fluorescent			
Bulk:	1 case of 12 quarts (mt. rd.)	27/32 lbs. (12.2/15.5 kg)	1.8 CF (0.05 CM)
	1 case of 2 gallons (mt. rd.)	23/23 lbs. (10.4/10.4 kg)	0.26 CF (0.007 CM)
	5 gallon pails (mt. rd.)	43/51 lbs. (19.5/23.1 kg)	1.2 CF (0.034 CM)
	50-gallon drum (mt. rd.)	432/512 lbs. (196/232.2 kg)	8.5 CF (0.24 CM)

II. CHARACTERISTICS & PROPERTIES (Average for all REGULAR colors)

Specifications:

None

Appearance:

	Aerosol	Bulk
Gloss at 60°	<5	<5
Class	Flat	Flat

Coverage:

Theoretical—at 1 mil dry	20 sq. ft./can	513 sq. ft./gal
Practical—at 1/2 mil dry	40 sq. ft./can	1026 sq. ft./gal

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

To touch	30 min	30 min
To handle	60 min	60 min
Full cure	24 hrs	48 hrs
To recoat	Not applicable	1 hr

Performance and Chemical Properties:

Weight per gallon	6.57 lbs	10.4 lbs
Specific gravity	0.79	1.2
Viscosity	Not applicable	55 to 65 KU
Flammability: Label marking	Extremely flammable	Flammable
Flash point	-26°F (-32°C)	<25°F (<-3°C)
Operating temperature range	30° to 100°F (-1° to 38°C)	30° to 100°F (-1° to 38°C)
Percent solids by weight	23%	58%
Percent solids by volume	10%	32%
Percent pigment by volume	5%	18%
Volatile Organic Compound level	<60%	<450 g/L
CARB MIR limit	<1.20	Not applicable
Interior durability	Excellent	Excellent
Exterior durability	Excellent	Excellent
Temperature resistance	200°F (93°C)	200°F (93°C)
Color fastness	Excellent	Excellent
Adhesion	Excellent	Excellent
Salt spray corrosion	Not applicable	Not applicable
Mineral spirits resistance	Not applicable	Not applicable
Gasoline resistance	Excellent	Excellent
Motor oil resistance	Excellent	Excellent
Pencil hardness	Not applicable	Not applicable

Base Materials

Resin system	Medium Alkyd	Medium Alkyd
Solvents (top two)	Acetone, VM&P Naphtha	Acetone, VM&P Naphtha
Propellant system	Hydrocarbon	Not applicable

III. SHIPPING, STORAGE AND HEALTH

	Aerosol	Bulk
UN number	UN 1950	1263
Proper shipping description	Aerosols	Paint
Hazard class	2.1	3
Packing group	N/A	PG II
Limited quantity	Yes	Container size determines applicability
Warehouse storage level number	NFPA 30B Level 2	Flammable liquid class 1-B
Storage temperature	32° to 120°F (0° to 49°C)	32° to 120°F (0° to 49°C)
Shelf life	1 to 2 years	2 to 5 years
HMIS ratings		
Health	2	2
Fire	4	3
Reactivity	1	0

IV. MISCELLANEOUS

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

V. WARRANTY

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.

II. CHARACTERISTICS & PROPERTIES (Average for all FLUORESCENT colors)

Specifications:

None

Appearance:

	Aerosol	Bulk
Gloss at 60°	<5	<5
Class	Flat	Flat

Coverage:

Theoretical—at 1 mil dry	27 sq. ft./can	700 sq. ft./gal
Practical—at 1/2 mil dry	54 sq. ft./can	1,400 sq. ft./gal

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

To touch	30 min.	30 min.
To handle	60 min.	60 min.
Full cure	24 hrs.	8 hrs.
To recoat	Not applicable	Not required

Performance and Chemical Properties:

Weight per gallon	6.3 lbs.	9.60 lbs.
Specific gravity76	1.15
Viscosity	Not applicable	65 KU
Flammability: Label marking	Extremely flammable	Flammable
Flash point	-26°F (-32°C)	<73°F (<23°C)
Operating temperature range	30° to 100°F (-1° to 38°C)	30° to 100°F (-1° to 38°C)
Percent solids by weight	17%	64%
Percent solids by volume	7%	44%
Percent pigment by volume	4%	27%
Volatile Organic Compound level	<75%	<450 g/L
CARB MIR limit	<1.75	Not applicable
Interior durability	Good	Good
Exterior durability	Fair	Fair
Temperature resistance	200°F (93°C)	200°F (93°C)
Color fastness	Very Good	Fair
Adhesion	Very good	Good
Salt spray corrosion	Not applicable	Fair
Mineral spirits resistance	Not applicable	Good
Gasoline resistance	Poor	Poor
Motor oil resistance	Very good	Fair
Pencil hardness	Not applicable	Not applicable

Base Materials

Resin system	Medium Alkyd	Medium Alkyd
Solvents (top two)	VM&P Naphtha, Hexanes	VM&P Naphtha, EB Acetate
Propellant system	Hydrocarbon	Not applicable

III. SHIPPING, STORAGE AND HEALTH

	Aerosol	Bulk
UN number	UN 1950	UN 1263
Proper shipping description	Aerosols	Paint
Hazard class	2.1	3
Packing group	N/A	PG II
Limited quantity	Yes	Container size determines applicability
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Storage temperature	32° to 120°F (0° to 49°C)	32° to 120°F (0° to 49°C)
Shelf life	1 to 2 years	2 to 5 years
HMIS ratings		
Health	2	2
Fire	4	3
Reactivity	1	0

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