

# Product Data Sheet

No. 1201 - 01/17

## SURVEY MARKING PAINT

Aerosol MIR 1.20 VOC <66% - Ground Traffic Marking (aerosol and bulk)

### PRODUCT NUMBERS:

201 RED	205 ORANGE	209 LIGHT BLUE	222 FL. ORANGE	230 FL. RED-ORANGE
202 YELLOW	206 BLACK	210 SILVER*	224 FL. GREEN	280 CONCRETE GRAY
203 BLUE	207 WHITE	212 PURPLE	226 FL. YELLOW	281 H.D. RED
204 GREEN	208 HI VIS YELLOW	220 FL. RED	227 FL. BLUE	282 H.D. YELLOW
			229 FL. PINK	288 H.D. FL. ORANGE

Product number plus letter designation is as follows:

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

### I. GENERAL DESCRIPTION

**Features:** Aervoe Survey Marking Paint is the best marking paint of its kind. It is packaged in a can that is operated only in an upside down position. It provides exceptional quality in terms of initial color brightness, color retention, adhesion, durability, and color consistency. It is formulated with superior quality raw materials to meet the requirements of the most demanding professional. Although the optimum operating temperature range is 50°F to 90°F (10°C to 30°), the product contains a freeze point depressant which will allow it to function with a reduced delivery rate down to 15°F (-10°C).

**Benefits:** Colors meet standards set by OSHA and APWA/One Call Systems. It is not affected by moisture or water and it will not wash away once dry. It may be used with the cap on in Aervoe applicators #244/245. The spray-through cap eliminates accidental discharge. Each can is non-clogging and empties completely. High delivery (HD) tip and valve system offers expeditious product delivery, which saves time and provides better coverage than regular delivery products. Regular colors will last up to 6 months, and fluorescent colors will last 3 to 6 months depending on traffic and exposure.

**Uses:** Designed to adhere to most surfaces, including pavement, gravel, and soil. It is ideal for use in surveying,

utility identification, and other long term marking applications. This product is not recommended for use on short cut grass such as golf course greens.

**Application:** For aerosol application, shake can well before use and for 1 to 2 minutes after agitator ball is heard. Remove tab from tamper-resistant cap. With proper alignment of the activator bar, this product may be used with the cap on in Aervoe applicators #244/245. Apply paint 3 to 4 inches from surface as a writing tool, and 5 to 8 inches in the applicator for a 3/4-inch line or continuous directional mark. Keep can in motion during use to prevent puddling. Agitate can periodically during application. Clear paint from valve and tip after each use by turning can in an upright position and spraying for 3 to 5 seconds. For best results, use at temperatures between 50°F and 90°F (10°C to 32°C). Bulk paint may be applied in a conventional air spray system or airless pressure sprayer.

**Limitations:** Please refer to the Safety Data Sheet for specific information on material hazards, etc. This aerosol product is designed to spray at an angle not greater than 30° from vertical. Do not use on turf surfaces. Please check your local air quality standards before using any bulk paint.

#### Packaging:

Aerosol:	Cans (211 x 713)	All colors except #210 - 17 oz. net wt. (482 g)	19.0 fl. oz. (562 ml)
		#210 Silver - 15 oz. net wt. (425g)	19.25 fl. oz. (569 ml)
Liquid Bulk:	Case - 12 cans/case	18 lbs. (8.2 kg)	0.55 CF (0.016 CM)
	1 case of 2 gallons	22 lbs. (17.7 kg)	0.50 CF (0.014 CM)
	5-gallon pails	47 lbs. (21.4 kg)	1.2 CF (0.034 CM)
	50-gallon drum	468 lbs. (212.7 kg)	8.5 CF (.24 CM)

## II. CHARACTERISTICS & PROPERTIES (Average for all Regular Colors)

### Specifications:

Aerosol complies with CARB MIR requirements. Colors formulated to meet standards set by OSHA and APWA/One Call systems

Appearance:	Aerosol	Silver Aerosol	Bulk
Gloss at 60°	<5	>100	<5
Class	Flat	Metalic	Flat

### Coverage:

Theoretical—at 1 mil dry	370 linear ft./can	300 linear ft./can	7,073 linear ft./gal
Practical—at 1/2 mil dry	740 linear ft./can	660 linear ft./can	14,146 linear ft./gal

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

To touch	30 min.	15 min.	30 min.
To handle	45 min.	30 min.	45 min.
Full cure	8 hrs.	24 hrs.	8 hrs.
To recoat	Not required.	Not required.	Not required

### Performance and Chemical Properties:

Weight per gallon	7.20 lbs.	6.23 lbs.	9.06 lbs.
Specific gravity	0.86	0.75	1.09
Viscosity	Not applicable	Not applicable	65 KU
Flammability: Label marking	Extremely flammable	Extremely flammable	Flammable
Flash point	< 0 °F (-18°C)	< 0 °F (-18°C)	<50°F (10°C)
Operating temperature range	50° to 90°F (10° to 32°C)	50° to 90°F (10° to 32°C)	50° to 90°F (10° to 32°C)
Percent solids by weight	21%	26%	35%
Percent solids by volume	10%	9%	19%
Percent pigment by volume	6%	2%	4%
Volatile Organic Compound level	<66%	48%	450 gm/l
MIR Limits	1.20	1.20	NA
Interior durability	Good	Good	Good
Exterior durability	Good	Good	Good
Temperature resistance	Not applicable	Not applicable	Not applicable
Color fastness	Good	Good	Good
Adhesion	Good	Good	Good
Mineral spirits resistance	Fair	Fair	Fair
Gasoline resistance	Fair	Fair	Fair
Motor oil resistance	Good	Good	Good

### Base Materials:

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

## III. SHIPPING, STORAGE AND HEALTH

	Aerosol	Bulk
UN number	UN1950	UN1263
Proper Shipping Description	Aerosols, Limited Quantity	Paint
Hazard Class	2.1	3
Packing Group	N/A	II
Limited Quantity	Yes	Container size determines applicability
Warehouse storage level number	NFPA 30B Level 1	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	1

## IV. MISCELLANEOUS

The APWA/One Call color designation system is used to identify location and direction of underground cables and pipes for above-ground utility construction. OSHA color assignment is used for physical risk or hazard identification. Contains no Ozone Depleting Substances (O.D.S.). The aerosol products meet VOC requirements for the State of California.

Color	APWA/One Call	OSHA
Red	Electric	Danger, stop or location of fire protection equipment
Yellow	Gas, Oil	Caution and physical hazards
Blue	Water	Equipment being repaired. Caution against starting or moving
Green	Sewer	Location of safety equipment other than fire
Orange	Communication, CATV	Dangerous parts of machinery or energized equipment
Purple	Reclaimed water	Radiation hazard
Black/White	White: Proposed excavation	Black/White: Traffic and housekeeping

---

## II. CHARACTERISTICS & PROPERTIES (Average for all Fluorescent Colors)

---

### Specifications:

Colors formulated to meet standards set by OSHA and APWA/One Call systems. Complies with CARB MIR & VOC Requirements

Appearance:	Aerosol	Bulk
Gloss at 60° .....	<5.....	<5
Class .....	Flat.....	Flat

### Coverage:

Theoretical—at 1 mil dry.....	370 linear ft./can .....	9,000 linear ft./gal
Practical—at 1/2 mil dry.....	740 linear ft./can .....	18,000 linear ft./gal

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

To touch.....	30 min.....	30 min.
To handle.....	45 min.....	45 min.
Full cure .....	8 hrs.....	8 hrs.
To recoat .....	Not required.....	Not required

### Performance and Chemical Properties:

Weight per gallon .....	7.20 lbs. ....	9.06 lbs.
Specific gravity .....	0.89.....	1.09
Viscosity .....	Not applicable.....	65 KU
Flammability: Label marking .....	Extremely flammable .....	Flammable
Flash point.....	< 0°F (-18°C).....	<50°F (10°C)
Operating temperature range.....	50° to 90°F (10° to 32°C).....	50° to 90°F (10° to 32°C)
Percent solids by weight .....	21%.....	34.6% (35%)
Percent solids by volume .....	10%.....	19%
Percent pigment by volume.....	6%.....	4%
Volatile Organic Compound level.....	<66% .....	450 gm/l
MIR Limit .....	1.20.....	NA
Interior durability.....	Good .....	Good
Exterior durability .....	Fair.....	Fair
Temperature resistance.....	Not applicable.....	Not applicable
Color fastness .....	Poor .....	Poor
Adhesion .....	Good .....	Very Good
Mineral spirits resistance.....	Poor .....	Good
Gasoline resistance.....	Poor .....	Poor
Motor oil resistance.....	Very Good.....	Very Good

### Base Materials:

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

---

## III. SHIPPING, STORAGE AND HEALTH

---

	Aerosol	Bulk
UN number.....	UN1950.....	UN1263
Proper Shipping Description .....	Aerosols, Limited Quantity.....	Paint
Hazard Class.....	2.1.....	3
Packing Group .....	N/A.....	II
Limited Quantity .....	Yes.....	Container size determines applicability
Warehouse storage level number .....	NFPA 30B Level 1.....	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 .....	1

---

## V. WARRANTY

---

1-year warranty to the original registered owner on all products from date of purchase. User returns, exchanges and defective refunds must be made with the original place of purchase. Because Aervoe cannot control Buyer's handling or use of product, Aervoe makes no warranty expressed or implied when not used or stored in accordance with directions. Aervoe shall not be liable for cost of labor, incidental or consequential damages, and this warranty is limited to replacement or repair of product or credit of purchase.