

# Product Data Sheet

No. 1214 - 04/09

## MARKING CHALK

### SPECIALTY MARKING COATINGS

GROUND TRAFFIC/MARKING COATINGS; AEROSOL VOC  $\leq$ 66%, CARB MIR $\leq$  1.20

PRODUCT NUMBERS: 214 - Blue 215 - White 216 - Red 217 - Orange 218 - Yellow 219 - Green

#### I. GENERAL DESCRIPTION

**Features:** A unique, temporary, water-based marking chalk. This product is safe for use at all construction, utility, and survey sites. Aervoe Water-Based Marking Chalk is packaged to operate upside down by hand or in an Aervoe Spot Marker #244, or Marking Stick #245 applicator with or without the cap on.

**Benefits:** This product is a true water-based formula, not "water added" for cost reduction formula. It is covered by its own U.S. Patent #5,158,069. Adhesion is provided by non-resin binders and low pigment solids in a slurry that holds the chalk together as the mark dries. It is a fast-drying chalk designed for **temporary** marking. The mark will naturally disappear with water, traffic, or other abrasions.

**Uses:** Aervoe Marking Chalk is designed to temporarily mark most paved surfaces, soil, and grass. Use for utility marking, construction sites, surveying, landscaping, and athletic field marking. For golf course marking, use Aervoe Water-Based Turf Marking Paint. For aisle striping in warehouses, parking lots, or traffic lines, use Aervoe Striping Paint.

**Application:** Shake can for 1 to 2 minutes after rattle agitator ball is heard. Remove safety tab, invert can, and apply 3 to 4 inches from the surface for writing symbols and numbers. Apply 5 to 8 inches from the surface for 3/4" line or continuous direction tracks. Product will appear transparent when first applied; full opacity is achieved in 3 to 5 minutes. Keep can in motion during use to prevent puddling due to high delivery paint stream. For best results, use at temperatures between 50° and 80°F (10° and 27° C). If cap has been removed, replace it for storage and color identification. Clear spray tip after each use by turning can upright and spraying for 2 to 3 seconds.

**Limitations:** Please refer to the Material Safety Data Sheets for specific information on material hazards, etc. This aerosol product is designed to spray **upside down** or at an angle not greater than 30° from vertical. Use caution if surface is wet, or if rain is imminent within 4 hours of application. Do not apply additional product until the previous coat is dry. On fresh asphalt or other porous surfaces, removal may be hampered due to solvent/pigment penetration.

#### Packaging:

Aerosol:	Cans (211 x 713)	15 oz. net wt.	(425 grams)	14.8fl. oz.	(437ml)
	Case - 12 cans/case	16 lbs.	(7.3kg)	.55 CF	(.016 CM)



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## II. CHARACTERISTICS AND PROPERTIES

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Average for all colors

**Specifications:** Colors formulated to approximate standards set by OSHA and APWA/One Call systems. These products meet the CARB MIR regulations.

**Appearance:**

Gloss at <60° ..... <5%  
Class ..... Flat

**Coverage:**

**Aerosol**

Theoretical—at 1 mil dry ..... 464 linear ft./can  
Practical—at 1/2 mil dry ..... 928 linear ft./can

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

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

**Performance and Chemical Properties:**

Weight per gallon ..... 8.13 lbs.  
Specific gravity ..... 0.98  
Viscosity ..... Not applicable  
Flammability: Label marking ..... Not applicable  
Flash point ..... Not applicable  
Operating temperature range ..... 50° to 80°F (10° to 27°C)  
Percent solids by weight ..... 27%  
Percent solids by volume ..... 16%  
Percent pigment by volume ..... 7%  
Volatile Organic Compound level ..... <66%  
CARB MIR ..... ≤1.20  
Interior durability ..... Poor  
Exterior durability ..... Poor  
Temperature resistance ..... Not applicable  
Color fastness ..... Fair  
Adhesion ..... Poor  
Salt spray corrosion ..... Not applicable  
Mineral spirits resistance ..... Poor  
Gasoline resistance ..... Poor  
Motor oil resistance ..... Poor  
Pencil hardness ..... Not applicable

**Base Materials**

Resin system ..... None  
Solvents (top two) ..... Water/Alcohol  
Propellant system ..... Dimethyl Ether

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## III. SHIPPING, STORAGE AND HEALTH

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IMDG number ..... 1950  
D.O.T. container spec ..... 2P  
D.O.T. shipping description ..... Consumer commodity  
Warehouse storage level number ..... NFPA 30B Level 2  
Hazardous class (CFR-49) ..... **ORM-D**  
Storage temperature ..... 40° to 120°F (4° to 49°C)  
Shelf life ..... 12 to 24 months  
HMIS ratings  
Health ..... 1  
Fire ..... 2  
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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The statements made herein, on labels, product bulletins or by any of our employees or agents concerning this material are given for information only. Any liability whatsoever of Aervoe Industries to the user of the product, is limited to replacement of the product or purchase price refunded. No. 1214-04/09