

# Product Data Sheet

No. 1143 - 1/04

## CHROME GALVANIZE - Aerosol

AEROSOL VOC <80%, MIR<1.9

PRODUCT NUMBER: 143 - 12-oz. net wt. aerosol

### I. GENERAL DESCRIPTION

**Description:** Aervoe Chrome Galvanize repairs hot-dip galvanizing that has been damaged by abrasion, scratching, cutting or welding. Cosmetically repairs both ferrous and nonferrous surfaces. An exceptionally smooth-flowing product that leaves a bright metal dry film coating with a reflective metallic sheen. The zinc fuses to metal substrates.

**Benefits:** Chrome Galvanize, with 10% zinc, will restore galvanized surfaces to the bright look of hot-dip. Stops rust and corrosion on any iron or steel surface. Chrome Galvanize offers the convenience of on-the-job application when hot-dip repair is necessary. Dries to the touch in just 10 minutes. Contains no lead, chromates, methylene chloride or fluorocarbon propellants.

**Application:** Use on pipes, heavy equipment, highway guard rails, hand rails, welds, metal chain fences, bridges, storage tanks, corrugated metal buildings, transformers, television towers, signs and sign posts, railroad equipment, construction equipment and anywhere the bright look of hot-dipped surfaces is desired.

**Directions:** Whenever possible, first coat should be applied within two hours of the damage to the galvanized surface; this prevents oxidation of the exposed areas. Surface should be free of dirt, dust, oil, grease, old paint, heavy mill scale, loose rust particles and any other contaminants that could prevent proper adhesion. Severely rusted areas should be cleaned with a wire brush to remove loose scale prior to application of Chrome Galvanize. For best results, use at temperatures between 60° and 80°F (16° to 27°C). Repair material should extend at least three inches beyond edges of the damaged area to ensure continuity of galvanic action. For **aerosol** application, align sprayhead with black mark on valve rim to insure complete evacuation of contents. Shake can for 2 minutes after rattle of agitator ball is heard, and intermittently during use. Apply from a distance of 8 to 12 inches from surface to be coated. Spray in light, sweeping strokes to avoid runs and sags. Two thin coats are better than one heavy coat. Prepare for storage by turning can upside down and spraying for two seconds to clear material from inside dip tube and nozzle.

**Limitations:** Please refer to the Material Safety Data Sheets for specific information on material hazards, etc. Do not apply at temperatures below 40°F (4°C), or if rain is imminent within 6 hours of application. Product must be used within 12 months of date of purchase. Containers should be stored in a cool, dry place.

#### Packaging:

Aerosol:	Cans (211 x 604)	12 oz. net wt.	(341 grams)	15.7 fl. oz.	(463 ml)
	Case - 12 cans/case	13 lbs.	(6.0 kg)	.47 CF	(.013 CM)



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## II. CHARACTERISTICS AND PROPERTIES

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### Specifications:

Complies with CARB MIR rules.

### Appearance:

Gloss at 60° ..... Not applicable  
Class ..... Metallic

### Coverage:

Theoretical—at 1 mil dry ..... 19 sq. ft./can  
Practical—at 1/2 mil dry ..... 38 sq. ft./can

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

To touch ..... 10 min.  
To handle ..... 30 min.  
Full cure ..... 72 hrs.  
To recoat ..... After 72 hrs.

### Performance and Chemical Properties:

**Aerosol**  
Weight per gallon ..... 6.13  
Specific gravity ..... 0.73  
Viscosity ..... Not applicable  
Flammability: Label marking ..... Extremely flammable  
Flash point ..... < 0°F (-18°C)  
Operating temperature range ..... 55° to 90°F (13° to 32°C)  
Percent solids by weight ..... 16%  
Percent solids by volume ..... 10%  
Percent pigment by volume ..... 1%  
Volatile Organic Compound level ..... <80%  
MIR Limit ..... 1.90  
MIR Value ..... 1.41  
Interior durability ..... Good  
Exterior durability ..... Good  
Temperature resistance ..... 400°F (204°C)  
Color fastness ..... Excellent  
Adhesion ..... Good  
Salt spray corrosion ..... NA  
Mineral spirits resistance ..... Good  
Gasoline resistance ..... Poor  
Motor oil resistance ..... Very Good  
Pencil hardness ..... 2B  
Food contact rating ..... NA  
Rub Resistance ..... Poor

### Base Materials:

Resin system ..... Hydrocarbon  
Solvents (top two) ..... Parachlorobenzotrifluoride, Hexane  
Propellant system ..... Hydrocarbon

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## III. SHIPPING, STORAGE AND HEALTH

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**Aerosol**  
IMDG number ..... 1950  
D.O.T. container spec ..... 2P  
D.O.T. shipping description ..... Consumer commodity  
Warehouse storage level number ..... NFPA 30B Level 3  
Hazardous class (CFR-49) ..... **ORM-D**  
Storage temperature ..... 32° to 120°F (0° to 49°C)  
Shelf life ..... 1 year  
HMIS ratings  
Health ..... 2  
Fire ..... 4  
Reactivity ..... 1

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## IV. MISCELLANEOUS

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

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## V. WARRANTY

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.