

# Product Data Sheet

No. 1145 - 05/16

## STEEL RENEW

AEROSOL VOC <80% MIR <1.90 METALLIC

PRODUCT NUMBERS:  
145 - 13 OZ. NET WT. AEROSOL

### I. GENERAL DESCRIPTION

**Description:** Aervoe Steel Renew is a modified urethane coating that provides optimum resistance to weather, abrasion, and corrosion in general maintenance applications. Dries quickly to a satin finish. Provides rust protection using real stainless steel.

**Benefits:** Steel Renew is formulated with 100% 316L stainless steel pigment. Provides a hard, non toxic, metallic finish that protects a variety of surfaces from ultraviolet rays, chemicals, oils, alkalis, food acids, water immersion, abrasion, and high pressure wash-downs. Long lasting rust protection. USDA accepted as a coating in federally inspected meat and poultry plants for application to structural surfaces or surfaces where there is a possibility of incidental food contact. Lead free.

**Applications:** Use on structural steel, food processing and packaging equipment, metal parts, industrial equipment, tools, trailers, tanks, towers, truck maintenance, auto parts, refrigeration equipment, and general plant machinery. Also safe for use on wood, brick, plaster, tile, glass, masonry, porcelain, fiberglass, and masonite when a stainless steel finish is desired.

**Directions:** Surface must be dry, and free of all dirt, grease, wax, oil, rust, flaking paint, loose rust, and any other contaminants that would prevent paint adhesion. Severely rusted areas should be cleaned with wire brush to remove loose scale. For best results, apply at temperatures between 60° and 80°F (16° and 27°C). A primer is not necessary, but it is recommended prior to application on bare metal surfaces. Shake can vigorously for 2 minutes after agitator ball is heard, and intermittently during use. Spray in a sweeping motion from a distance of 8 to 10 inches from surface to be painted. Several light coats are better than one heavy coat. Clear spray nozzle prior to storage by turning can upside down and spraying for 2 seconds.

**Limitations:** Please refer to the Safety Data Sheets for specific information on material hazards, etc. Product has limited shelf life of 12 months from the date of purchase.

#### Packaging:

Aerosol:

Cans (211x604)

13 oz. net wt. (369 g)

15.0 fl. oz. (443 ml)

Case (12/case):

14 lbs. (6.35 kg)

0.47 CF (0.013 CM)

---

## II. CHARACTERISTICS & PROPERTIES

---

### Specifications:

Follows USDA guidelines for Incidental Food Contact Materials.

### Appearance:

Gloss at 60° .....	15
Class .....	Metallic
Coverage:.....	Aerosol
Theoretical—at 1 mil dry.....	24 sq. ft./can
Practical—at 1/2 mil dry.....	48 sq. ft./can

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

To touch.....	15 min
To handle.....	60 min
Full cure .....	5-7 days
To recoat .....	Before 2 hrs. or after 5 days (120 hrs.)

### Performance and Chemical Properties:

Weight per gallon .....	6.77 lbs
Specific gravity .....	0.81
Viscosity .....	Not applicable
Flammability: Label marking .....	Extremely flammable
Flash point.....	< 0°F (-18°C)
Operating temperature range.....	50° to 95°F (10° to 35°C)
Percent solids by weight .....	28%
Percent solids by volume .....	13%
Percent pigment by volume.....	2%
Volatile Organic Compound level.....	<80%
CARB MIR.....	<1.90
Interior durability.....	Excellent
Exterior durability .....	Good
Temperature resistance.....	350°F (177°C)
Color fastness .....	Excellent
Adhesion .....	Excellent
Salt spray corrosion .....	Good
Mineral spirits resistance.....	Excellent
Gasoline resistance.....	Excellent
Motor oil resistance.....	Excellent
Pencil hardness.....	H
Food contact rating .....	See specifications

### Base Materials:

Resin system.....	Urethane modified alkyd
Solvents (top two) .....	Acetone, n-butyl acetate
Propellant system.....	Hydrocarbon

---

## III. SHIPPING, STORAGE AND HEALTH

---

UN number.....	UN1950
Proper Shipping Description .....	Aerosols
Hazard Class.....	2.1
Packing Group .....	N/A
Limited Quantity .....	Yes
Warehouse storage level number .....	NFPA 30B Level 2
Storage temperature .....	32° to 120°F (0° to 49°C)
Shelf life .....	1 year

### HMIS ratings

Health .....	2
Fire.....	4
Reactivity .....	1

---

## 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.

NO. 1145 - 05/16