



Technical Data Sheet

CleanSafe™ 50E PLUS Aqueous Cleaner

Product Description

CleanSafe 50E PLUS Aqueous Cleaner is a mildly acidic liquid cleaning agent formulated to remove a broad range of soils and substrates in immersion cleaning applications. It also exhibits excellent brightening properties on copper, brass, bronze, and tin.

Features and Benefits

- High Flash Point
- Powerful Solvency
- Brightening

Properties

Odor	Mild
Flash Point	>214°F (101°C)
Specific Gravity (25°C)	1.01
pH Value (10% in water)	5.5 ± 0.5
Viscosity	2 cps

Equipment

Suitable for use in a variety of commercially available cleaning equipment including immersion tanks, ultrasonic and mild spray-under-immersion aqueous cleaning systems.

Process

Wash Bath Concentration	10%
Wash Bath Temperature	130-180 °F (54-82 °C)
DI Water Rinse Temperature	140-180 °F (60-82 °C)

Environmental/Regulatory

Ozone Depletion Potential (ODP)	Zero
Global Warming Potential (GWP)	Moderate
Volatile Organic Compound (VOC)	395 g/L
Hazardous Air Pollutant (HAP)	No
Superfund Amendments and Reauthorization Act (SARA)	Not Regulated
Hazardous Air Pollutants (NESHAPs)	Not Regulated
Resource Conservation and Recovery Act (RCRA)	Not Regulated
Nonylphenol Ethoxylates (NPEs)	None
Alkylphenol Ethoxylates (APEs)	None
Phosphates	None



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Disposal/Safety

Disposal

Vantage recommends contacting your current or local environmental service company for proper disposal.

Safety

Please see Safety Data Sheet for further information.

Packaging

Available in 40 lb (19 kg) pails and 450 lb (205 kg) drums.

Shelf Life

36 months when stored in original, sealed container above 50 °F (10 °C). Protect product from freezing.



ISO 9001:2008



RoHS
Compliant



LEAD FREE

HALOGEN
FREE

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