



# CleanSafe™ 787C

## Technical Data Sheet

CleanSafe 787C is a high performance aqueous cleaning agent specially designed for spray-in-air and agitated immersion equipment.

CleanSafe 787C is selected when a very low-foaming cleaner with excellent substrate compatibility and low levels of volatile organic compounds (VOCs) is required.

CleanSafe 787C effectively removes a wide range of soils such as drawing and stamping oils, coolants, synthetics and other metalworking fluids.

CleanSafe 787C is safe for use on ferrous and non-ferrous alloys such as untreated aluminum, alodined and anodized aluminum, copper and copper alloys, titanium, magnesium and steels. It is also compatible with polymeric substrates and elastomers.

CleanSafe 787C is a Boeing BAC 5763 (Type II Grade A) approved cleaner, permitting its use on faying surfaces or areas of entrapment. It also meets aerospace compatibility testing for Hydrogen Embrittlement, Sandwich Corrosion and Stress Corrosion of Titanium.

CleanSafe 787C is a phosphate-free cleaner, designed for low environmental impact. It does not contain nonylphenol ethoxylates (NPEs) or alkyphenol ethoxylates (APEs) and is approved by the South Coast Air Quality Management District (SCAQMD) as a Clean Air Solvent.

CleanSafe 787C is supported by a global network of technical representatives, capable of solving the industries most difficult cleaning applications.

### FEATURES & BENEFITS

- Very Low-Foaming
- Material Compatibility
- Aerospace Approvals/Testing
- SCAQMD approved
- Oil-Splitting
- Biodegradable
- Low-VOC
- NPE/APE-free
- Phosphate-free
- Non-Corrosive

### PROPERTIES

Appearance.....	Clear liquid
Solubility in Water.....	Complete
Odor.....	Mild
Flash Point.....	N/A
Specific Gravity (25°C).....	1.08
pH value (100%).....	12.0
COD value (0.1%).....	383 mg/L
VOC (20%).....	18 g/L
Bath Monitoring.....	Titration

### PROCESS

**Spray-in Air Cleaning:** Add CleanSafe 787C to the wash tank, using a concentration between 3-10% by volume. Typical operating temperatures range between 100-180°F (38-82°C).

**Immersion Cleaning:** Add CleanSafe 787C to the wash tank, using a concentration between 5-15% by volume. Typical operating temperatures range between 100-180°F (38-82°C).

### SOILS REMOVED

- Mineral Oils
- Synthetic Oils
- Rust Inhibitors
- Lubricating Oils
- Particulate Matter
- Water-Soluble Oils
- Coolants
- Buffing Compounds
- Fingerprint Oil
- Dust

# CleanSafe 787C

## EQUIPMENT

- CleanSafe 787C is suitable for use in a variety of commercially available cleaning equipment including spray-in-air washers and immersion/soak tanks with moderate to high agitation.
- Bath concentration may be monitored by titration, refractive index or conductivity.
- Companies requiring new cleaning equipment may contact Petroferm for supplier recommendations.

## APPROVALS & TESTING

### Approvals

Boeing BAC 5763 Type II Grade A (PSD 6-57)  
Rolls Royce OMat 1/24AL Aqueous Cleaner  
SCAQMD Clean Air Solvent  
Conforms to Pratt & Whitney PWA 36604  
Conforms to GE Appendix F (partial)  
Conforms to MIL-PRF-87937D (partial)

### Testing

ASTM F-1110, F-945, F-519, D-130, D-1296, D-816, F-1111,  
F-483, F-502, D-1353, SAE ARP 1755, Wet Adhesive Tape Test,  
MIL-DTL 83488d

## SHELF LIFE

The shelf life for this product is thirty-six (36) months when it is stored in its original, sealed container at room temperature.

However, the product should be inspected after thirty-six (36) months from the date of manufacture prior to customer use.

Typical property data is not intended for specification purposes. Petroferm, its sales agents and distributors make no warranty of merchantability of the product or of product fitness for any particular purpose. This product and all information supplied are used at the purchaser's own risk. The purchaser assumes all risk of use or handling of the product, whether in accordance with directions or not.

## ENVIRONMENTAL/REGULATORY

Ozone Depletion Potential (ODP).....Zero  
Global Warming Potential (GWP).....Zero  
Significant New Alternatives Program (SNAP).....Approved  
Hazardous Air Pollutant (HAP).....No  
National Emission Standards for  
Hazardous Air Pollutants (NESHAPs).....Not regulated  
Superfund Amendments  
and Reauthorization Act (SARA).....Not regulated  
Resource Conservation and  
Recovery Act (RCRA).....Not regulated

## DISPOSAL/SAFETY

**Disposal:** Petroferm recommends contacting your current or local environmental service company for disposal of this product.

**Safety:** Please see Material Safety Data Sheet for further information.

**Storage:** CleanSafe 787C should be stored in the original container, preferably above 50°F (10°C), in a ventilated, fire-resistant building.

**Packaging:** CleanSafe 787C is available in 44 lb (20 kg) pails and 485 lb (220 kg) drums.



# Petroferm

*Advanced Products for Advanced Cleaning*

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