

AquaVantage® 1990 GD

Spray wash detergent · mildly alkaline concentrate

KT-CC-BLN-1990-GD

DILUTION 3–15% typically 5%	TEMPERATURE 49–77 °C typically 54–66 °C	CYCLE TIME 3–10 min range 1–30 min	PH CONCENTRATE 11.3 mildly alkaline
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DESCRIPTION

AquaVantage 1990 GD is an aqueous degreasing chemistry developed for soil removal during the manufacturing or rebuilding of precision components in inline or cabinet type spray wash cleaning processes. Designed for global regulatory acceptance, it is a mildly alkaline solution with excellent particulate removal, giving a water-break-free or higher level of surface cleanliness while providing in-process corrosion control. Non-corrosive and non-staining to metals.

- KEY BENEFITS
& industries
- No REACH SVHC

RoHS compliant

Extends bath life — reduces costs

In-process corrosion control

Free rinsing — permits improved adhesion

Reduced cleaning rework and rejects

Separates oil effectively for improved oil removal

Low foaming above 49 °C

Aerospace MRO

Precision manufacturing

Repair & overhaul

Spray wash lines

TYPICAL CHARACTERISTICS from SDS §9	Form / appearance	Clear liquid
	Odour	Mild detergent
	Solubility in water	100%
	Specific gravity	1.07
	pH, concentrate	11.3
	Flash point	None to boiling (AS 2106.2)
	Boiling point	100 °C
	Foaming tendency	Very low
	Typical values only — consult the specification sheet. Sourced from the Kleentek SDS (KT-CC-BLN-1990-GD, v1.1, issued 01 Jul 2026).	

USE RECOMMENDATIONS	System	Spray wash systems (batch or continuous)
	Dilution	3–15%, typically 5% — minimum 5.0% when cleaning aluminium
	Cleaning temperature	49–77 °C, typically 54–66 °C
	Cleaning duration	1–30 min; typical parts clean in 3–10 min
	Rinse	A heated rinse may improve performance; some OEM specifications require one. Final-rinse conductivity: ultra-clean ≤ 50 µS/cm · precision ≤ 500 µS/cm · gross > 500 µS/cm
	To avoid spotting, keep parts wet between processing stages.	

MATERIAL COMPATIBILITY

Ferrous — carbon steel · stainless steel · steel

Non-ferrous — aluminium · cadmium plating · chrome plating · copper (alloys & plating) · magnesium & magnesium alloys · nickel (alloys & plating) · titanium & titanium alloys

Plastics & composites — acrylics · HDPE · nitrile butadiene rubber · PVC · rubber

Other — painted surfaces

Not suitable

None documented. Zinc, tin and soft solder are not on the approved list; test before use.

Always confirm compatibility by testing with your specific contaminants under your specific cleaning conditions.

SOILS REMOVED

Buffing compounds · coolants · particulate dirt · fat · grease · oil (general, cutting, drawing compounds, forming, hydrocarbon, lubricants, self-emulsifying, water-soluble)

BATH MAINTENANCE Monitor concentration by titration, skim separated oils, and top up to the working concentration rather than letting it drift.

CONCENTRATION VERIFICATION titration	KIT METHOD			BURETTE – PH 3.80			BURETTE – PH 4.50		
	Sample	20 mL		Sample	25 mL		Sample	25 mL	
	Titrant	1.0 N HCl		Titrant	0.1 N HCl		Titrant	0.1 N HCl	
	Indicator	Bromophenol blue, 4 drops		Endpoint	pH 3.80		Endpoint	pH 4.50	
	Result	drops × 0.34 = %		Result	mL × 0.80 = %		Result	mL × 0.86 = %	

APPROVALS
& conformance Airbus AIP1 09-01-003 · Airbus UK ABP 8-1290 · Boeing BAC 5763; HP 9-25 · GE Aviation S-421 · GM FID 330546 · Honeywell EMS 53170 · Lockheed Martin EMAP G32.0160 · Rolls-Royce CSS204 Class A; OMAT 1/24 AG · Safran PR-1500 · NASA oxygen-service cleaning

AVAILABILITY & quality	10 L	20 L	200 L	1,000 L
	KT-CC-BLN-1990-GD-10	KT-CC-BLN-1990-GD-20	KT-CC-BLN-1990-GD-200	KT-CC-BLN-1990-GD-1000
Minimum order quantity 10 L. Manufactured under Kleentek's ISO 9001:2015 certified quality management system — a Certificate of Analysis for the supplied batch is available on request.				

TRANSPORT Not classified as Dangerous Goods for transport.

SAFETY & HANDLING Classified as hazardous — GHS Warning: causes skin irritation (H315) and serious eye irritation. Wear protective gloves and eye protection when handling the concentrate. Refer to the Safety Data Sheet (KT-CC-BLN-1990-GD) for classification, handling, storage, transport, spill response and disposal; the SDS takes precedence over this document in all matters of safety.