

RegeniK

KT-CC-RGK

Acidic ash dissolver for mineral scale, calcium ash and DPF regeneration · citric-acid concentrate

DILUTION Neat / 100% used undiluted	TEMPERATURE Ambient–50 °C	CYCLE TIME 10–20 min	PH CONCENTRATE 2–3 acidic
---	--	---------------------------------------	---

DESCRIPTION

RegeniK is a citric-acid-based ash dissolver for removing mineral scale, calcium ash, zinc phosphate and magnesium oxides. Its primary application is DPF (diesel particulate filter) regeneration cleaning, where it dissolves the inorganic ash matrix that binds soot in the filter, releasing carbon for flushing or burn-off. RegeniK does not dissolve carbon or soot directly – it targets the mineral deposits, not the carbon itself.



KEY BENEFITS & industries

- Dissolves mineral scale, calcium ash, zinc phosphate and magnesium oxides
- Purpose-built for DPF ash-matrix breakdown
- Milder acid blend than mineral acids – citric acid with a phosphonate scale inhibitor
- Citric acid passivates stainless steel – suits DPF cans and housings
- Used neat, no make-up required
- Not classified as Dangerous Goods for transport

Diesel & DPF regeneration

Automotive & engine reconditioning

Mining & heavy plant

TYPICAL CHARACTERISTICS from SDS §9

Form / appearance	Clear liquid
Odour	Odourless
Solubility in water	Miscible
Density	1.09 g/cm ³
pH, concentrate	2–3
Boiling point	100 °C
Flash point	Non-combustible

Typical values only – consult the specification sheet. Sourced from the Kleentek SDS (KT-CC-RGK-200, v1.0, issued 26 Mar 2026).

USE RECOMMENDATIONS

System	DPF ash dissolution · immersion descaling
Dilution	Neat / 100% – no dilution
Temperature	Ambient–50 °C
Cleaning duration	10–20 minutes
Rinse	Rinse thoroughly with water, then pass to an alkaline degreaser in the ultrasonic, immersion tank or DPF flushing unit

RegeniK is an ash and mineral-scale dissolver, not a carbon cleaner – soot and carbon are inert to it. On ferrous parts, prolonged contact will etch and cause flash rust: control contact time, rinse thoroughly and dry promptly.

MATERIAL COMPATIBILITY

Ferrous – stainless steel (citric acid passivates it)
Non-ferrous – titanium
Plastics & composites – HDPE · polypropylene · PVC · nitrile · EPDM · Viton
Other – glass · ceramics, cordierite and silicon carbide (the DPF substrate)
Not suitable
Copper, brass and bronze – the ammonia content can cause stress-corrosion cracking in brass.
Aluminium · zinc and galvanised · magnesium · cadmium plating · tin and soft solder.
Carbon steel and cast iron – etched and flash-rusted on prolonged contact; time-limit and dry promptly.
Used neat and at temperature, contact time is the main control. Always confirm compatibility by testing under your specific cleaning conditions.

SOILS REMOVED

Mineral scale · calcium ash · zinc phosphate · magnesium oxides. Not carbon or soot.

AVAILABILITY
& quality

10 L KT-CC-RGK-10	20 L KT-CC-RGK-20	200 L KT-CC-RGK-200
-----------------------------	-----------------------------	-------------------------------

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 (Category 2) and serious eye irritation (Category 2A). Incompatible with oxidising agents. Wear protective gloves, protective clothing and eye/face protection. Refer to the Safety Data Sheet (KT-CC-RGK-200); the SDS takes precedence over this document in all matters of safety.