

ULTRASONIC CLEANING CHEMICAL

RegeniK

Ash dissolution — removes the mineral ash left after carbon cleaning: calcium ash, zinc phosphate and magnesium oxides. The stage-two chemis

PRODUCT OVERVIEW

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PHYSICAL & CHEMICAL PROPERTIES

Form	Clear Liquid
Colour	Clear
Odour	Odourless
pH (concentrate)	2-3
Solubility in water	Miscible with Water
Flammability	—

Typical values only — consult the SDS and specification sheet for lot-specific data.

COMPOSITION

Chemical entity	CAS No.	Proportion
Citric acid	77-92-9	10 - <30 %
Phosphoric acid	7664-38-2	1 - <10 %
Ammonia	7664-41-7	1 - <10 %
1,2,4-Butanetricarboxylic acid, 2-phosphono-	37971-36-1	1 - <10 %
Ingredients determined to be non-hazardous	—	Balance to 100 %

APPLICATION & USE

Dose (v/v)
10–20%. The trial sets your exact process values; the TDS governs.

Operating temperature
50–70 °C — the substrate sets its own ceiling; run at the lower of chemistry and substrate limits.

Application method
Heated ultrasonic immersion or soak as appropriate. Rinse thoroughly after cleaning; verify concentration on schedule per the check method.

Material compatibility

Stainless steel	Safe in prescribed use
Cast iron	Safe in prescribed use
Mild steel	Safe in prescribed use
Confirm plated & soft alloys	Do not use

HANDLING & STORAGE

Handling
Avoid eye and skin contact; avoid inhalation of vapour, mist or aerosols. Use with adequate ventilation. Do not eat, drink or smoke during use.

Storage
Store cool, dry and ventilated, out of direct sunlight, away from foodstuffs, ignition sources and incompatible materials. Keep containers upright and closed; check regularly for leaks.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

PPE is required when handling concentrate. Chemical-resistant gloves recommended. Ensure eyewash facilities are accessible at the workstation.

Chemical Goggles

Chemical-Resistant Gloves

Protective Clothing

Adequate Ventilation

STABILITY & REACTIVITY

Chemical stability	This material is thermally stable when stored and used as directed.
Conditions to avoid	Elevated temperatures and sources of ignition.
Incompatible materials	Oxidising agents.

Hazardous decomposition	Oxides of carbon and nitrogen, smoke and other toxic fumes.
TRANSPORT & REGULATORY	
Road & rail (AU/NZ)	Not classified as Dangerous Goods (ADG / NZS5433).
GHS classification	Skin Irritation - Category 2; Eye Irritation - Category 2A — Signal word: WARNING
SUPPLY & EMERGENCY	
Supplied by	Misonics — misonics.com.au · sales@misonics.com.au
Emergency	Poisons Information Centre: 131 126 (AU) / 0800 764 766 (NZ)
Safety Data Sheet	The SDS is the governing safety document — download it from the product page and hold it in your chemical register.