

ULTRASONIC CLEANING CHEMICAL

FerroPlus Activator

Removes rust, paint, grease and grime in ultrasonic cleaning — activator stage for ferrous restoration.

PRODUCT OVERVIEW

For the removal of rust, paint, grease and grime when used in an ultrasonic cleaner.

PHYSICAL & CHEMICAL PROPERTIES

Form	Powder
Colour	White
Odour	Characteristic
pH (concentrate)	> 14
Solubility in water	Soluble in Water
Flammability	—

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

COMPOSITION

Chemical entity	CAS No.	Proportion
Sodium hydroxide	1310-73-2	30 - 60 %
Ingredients determined to be non-hazardous	—	Balance to 100 %

APPLICATION & USE

Dose (v/v)

Per TDS. 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

Ferrous metals	Safe in prescribed use
Confirm plated surfaces	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

Incompatible materials	Oxidising agents.
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TRANSPORT & REGULATORY

Road & rail (AU/NZ)	Classified as Dangerous Goods (ADG / NZS5433).
UN number	3262
DG class	8
Packing group	II

GHS classification	Corrosive to Metals - Category 1; Skin Corrosion/Irritation - Category 1A; Eye Damage/Irritation - Category 1; Specific Target Organ Toxicity (Single Exposure) - Category 3 Respiratory Tract Irritation — Signal word: DANGER
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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.