

ULTRASONIC CLEANING CHEMICAL

MetalTek 200

Higher-duty MetalTek formulation for heavier scale and paint systems.

PRODUCT OVERVIEW

Higher-duty MetalTek formulation for heavier scale and paint systems.

PHYSICAL & CHEMICAL PROPERTIES

Form	Liquid
Colour	Clear to Light Yellow
Odour	No Specific Odour
pH (concentrate)	10 - 12
Solubility in water	Soluble
Flammability	—

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

COMPOSITION

Chemical entity	CAS No.	Proportion
Silicic acid (H2SiO3), disodium salt	6834-92-0	1 - 10 %
Sodium carbonate	497-19-8	1-5%
Triphosphoric acid, pentasodium salt	7758-29-4	1 - 10 %
Water	7732-18-5	> 60 %
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
70–90 °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
Aluminium	Do not use
Plated finishes	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	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.