

ULTRASONIC CLEANING CHEMICAL

EcoTek Max

Maximum-strength alkaline cleaner for the heaviest industrial soils.

PRODUCT OVERVIEW

Maximum-strength alkaline cleaner for the heaviest industrial soils.

PHYSICAL & CHEMICAL PROPERTIES

Form	Clear Liquid
Colour	Colourless - Yellowish
Odour	Citrus
pH (concentrate)	14.00
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
D-limonene	5989-27-5	<1%
Potassium hydroxide	1310-58-3	<1%
Silicic acid (H2SiO3), disodium salt	6834-92-0	3-5%
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.	Application method Heated ultrasonic immersion or soak as appropriate. Rinse thoroughly after cleaning; verify concentration on schedule per the check method.				
Operating temperature 70–90 °C — the substrate sets its own ceiling; run at the lower of chemistry and substrate limits.	Material compatibility <table><tr><td>Ferrous metals</td><td>Safe in prescribed use</td></tr><tr><td>All soft & plated metals</td><td>Do not use</td></tr></table>	Ferrous metals	Safe in prescribed use	All soft & plated metals	Do not use
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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.
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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).
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GHS classification	Sensitisation - Skin - Category 1; Specific Target Organ Toxicity (Single Exposure) - Category 3 Respiratory Tract Irritation — Signal word: WARNING
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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.