

ULTRASONIC CLEANING CHEMICAL

Anti-Rust

Post-cleaning rust prevention — short-term in-process protection for ferrous parts.

PRODUCT OVERVIEW

Post Cleaning Rust Prevention Chemical Solution

PHYSICAL & CHEMICAL PROPERTIES

Form	Liquid
Colour	Yellowish/Greenish
Odour	Slight Odour
pH (concentrate)	8 - 11
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 nitrite	7632-00-0	10 - 30 % (w/w)
Ethanolamine	141-43-5	1 - 10 % (w/w)
Ingredients determined to be non-hazardous	—	Balance to 100 %

APPLICATION & USE

Dose (v/v) 2–10%. 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 20–60 °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></table>	Ferrous metals	Safe in prescribed 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. gloves, apron, chemical goggles, respirator. Ensure eyewash facilities are accessible at the workstation.

- Chemical Goggles
- Chemical-Resistant Gloves
- Protective Clothing
- Adequate Ventilation

STABILITY & REACTIVITY

Incompatible materials	Substances to avoid: Flammable, oxidisable substances, organic substances, ammonium salts, acid forming substances, Keep away from highly acidic or alkaline substances, amines and oxidants in order to prevent exothermal reactions., acids, reducing agents
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TRANSPORT & REGULATORY

Road & rail (AU/NZ)	Classified as Dangerous Goods (ADG / NZS5433).
UN number	3082
DG class	9
Packing group	III

GHS classification

Acute Toxicity - Oral - Category 4; 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.