

ULTRASONIC CLEANING CHEMICAL

Desludge

Ultrasonic degreasing and decarbonising — fuel residues, engine sludge and carbon from ferrous components.

PRODUCT OVERVIEW

Formulated for ultrasonic degreasing and decarbonising, removing fuel residues and engine cleaning

PHYSICAL & CHEMICAL PROPERTIES

Form	Liquid
Colour	Green / Orange
pH (concentrate)	13.00
Flammability	—

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

COMPOSITION

Chemical entity	CAS No.	Proportion
Glycine, N,N-bis(carboxymethyl)-, trisodium salt	5064-31-3	>= 3 - > 5 %
Silicic acid (H2SiO3), disodium salt	6834-92-0	>= 2.5 - < 3 %
Alcohols, C12-15, ethoxylated	68131-39-5	>= 3 - < 5 %
2-Propanol, 1-ethoxy-	1569-02-4	>= 5 - < 7 %
D-limonene	5989-27-5	>= 1 - < 2 %
Nonylphenol, ethoxylated	127087-87-0	>= 1 - < 2 %
Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl,	61791-10-4	>= 2 - < 2.5 %
Ingredients determined to be non-hazardous	—	Balance to 100 %

APPLICATION & USE

Dose (v/v)
5–20%. The trial sets your exact process values; the TDS governs.

Operating temperature
60–80 °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
Stainless steel	Safe in prescribed use
Aluminium	Do not use
Zinc	Do not use
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. gloves, apron, chemical goggles. 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	3082
DG class	9
Packing group	III
GHS classification	Skin Corrosion/Irritation - Category 1B; Eye Damage/Irritation - Category 1; Sensitisation - Skin - Category 1; Acute Hazard to the Aquatic Environment - Category 2; Chronic Hazard to the Aquatic Environment - Category 2 — Signal word: DANGER

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.