

ULTRASONIC CLEANING CHEMICAL

Brulin AquaVantage 815 QR-NF

Heavy-duty APE/NPE-free immersion and ultrasonic detergent — greases, carbon and tenacious soils on steel, aluminium and titanium.

PRODUCT OVERVIEW

Heavy-duty APE/NPE-free immersion and ultrasonic detergent — greases, carbon and tenacious soils on steel, aluminium and titanium.

PHYSICAL & CHEMICAL PROPERTIES

Form	Liquid
Colour	Blue
Odour	Characteristic
pH (concentrate)	12.5
Flammability	—

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

COMPOSITION

Chemical entity	CAS No.	Proportion
2-aminoethanol	141-43-5	5 - 10 %
Alcohols, C9-11, ethoxylated	68439-46-3	1-5%
Diphosphoric acid, tetrapotassium salt	7320-34-5	1-5%
Benzenesulfonic acid, dimethyl-, sodium salt	1300-72-7	1-5%
Ingredients determined to be non-hazardous	—	Balance to 100 %

APPLICATION & USE

Dose (v/v)
5–30% (typ. 10%). The trial sets your exact process values; the TDS governs.

Operating temperature
54–77 °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

Aluminium	Safe in prescribed use
Titanium	Safe in prescribed use
Steels	Safe in prescribed use
Stainless	Safe in prescribed 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)	Classified as Dangerous Goods (ADG / NZS5433).
UN number	2491
DG class	8
Packing group	III
GHS classification	Skin Corrosion - Category 1A; Serious Eye Damage - Category 1; Acute Hazard to the Aquatic Environment - Category 3; Chronic Hazard to the Aquatic Environment - Category 3 — 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.