

Cleaning

# Ultrasonic Cleaning Chemicals

## CHRIS-MARINE® ULTRA RINSE

Specifically designed and developed for ultrasonic cleaning methods, enabling rapid penetration and removal of deposits.



### Product features

- Concentrated products which are highly effective even at low concentration
- The products can be customized to the specific needs of the customer
- Excellent wetting and penetration properties
- Developed specifically to fulfill the cleaning requirements of industrial companies, workshops, power plants and marine industries

# CHRIS-MARINE® ULTRA RINSE

## New Ultra Rinse cleaning solutions

The new Ultra Rinse cleaning solutions from Chris-Marine & IOP Marine are specifically designed and developed for ultrasonic cleaning, fulfilling the cleaning requirements of industrial companies, workshops, power plants and marine industries.

The “Ultra Rinse Engine”, “Ultra Rinse Intercooler” and “Ultra Rinse Descale” products are chemicals that enable rapid penetration and removal of deposits such as oil, grease, carbon and lime scale, while allowing customization to accommodate for the specific needs of our customers.

### Ultra Rinse Engine

A high alkaline detergent for the most challenging cleaning tasks. Ideal for cleaning steel, stainless steel and cast iron components that are highly exposed to heavy fuel oil or where removal of fuel, coke, soot or paint is needed.

### Ultra Rinse Intercooler

A high alkaline product that is suitable for all types of metals including aluminum, titanium, brass and copper, thus enabling efficient cleaning of intercoolers and turbo parts. The product contains a tenside mixture that gives the product very effective demulsifying properties, whereby oils and fats on the surface can be easily removed using an oil skimmer or oil separator.

### Ultra Rinse Descale

Acidic liquid concentrate based on highly efficient surfactants and inhibitors. Used for the removal of lime scale as well as iron-, carbon- and oil carbon deposits from engine parts. The product is not suitable on alloy metal parts and will corrode zinc and aluminum.

## Technical specifications

	ULTRA RINSE ENGINE	ULTRA RINSE INTERCOOLER	ULTRA RINSE DESCAL
• Appearance	White granulate	White granulate	Liquid
• Odour	Negligible	Negligible	Characteristic
• Density	Typically 1.3 g/cm <sup>3</sup> (20°C)	Typically 1.3 g/cm <sup>3</sup> (20°C)	1.1 – 1.2 g/ml
• Flash point	Non flammable	Non flammable	Non flammable
• Use concentration	4-10%	1.5-5 %	5-20%
• pH of concentrate	< 12.5	< 12.5	0.5-1 at 20°C
• Storage conditions	Store in closed containers in a cool and well ventilated area.	Store in closed containers in a cool and well ventilated area.	Store in closed containers in a cool and well ventilated area. Provide acid-resistant floor.
• Recommended shelf life	12 months	12 months	12 months
• Suitable for following parts	HFO components <i>NOT suitable for turbo chargers or metal parts containing aluminum, brass, copper or titanium</i>	Intercoolers & turbo parts <i>NOT ideal for hfo components that need heavy degreasing</i>	Engine parts <i>Will corrode zinc and aluminum</i>
• Efficient cleaning of deposits	Oil, grease, carbon, some types of paint	Oil, grease, carbon	Iron deposits, oxide layers, carbon deposits, break dust, flux residues and lime scale
• Features	– The toughest of the granulate products and thus ideal for steel components with heavy need of cleaning like coke or dried in fuel – More efficient (less cleaning time needed) – Less white corrosion – Can be used in spray washing machines	– Safe on all metals (check with component in question as resistance may vary) – Can be used in spray washing machines	– A liquid acid combination with highly efficient surfactants and inhibitors – An acidic product to be used in an ultrasonic and immersion process
• Transport class	UN1823	UN3262	UN1805
• Packaging	Bucket (25 Kg)	Bucket (25 Kg)	Container (30 L)

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