

TECHNICAL DATA SHEET

METALL-CLEAN 164 PC

Heavy Duty Powdered Detergent / Deruster / Descaler / Decarboniser

DESCRIPTION A free flowing strongly alkaline powder formulated for the simultaneous removal of grease, rust, scale, carbon and paint from ferrous metals.

- USER BENEFITS**
- Balanced combination of sequestrants, inhibitors and conditioners produces light grey "new" appearance on cast components after immersion.
 - Recommended for use in mild steel tanks - no expensive materials of construction necessary.
 - Metall-Clean 164PC system avoids need for use of acids in removal of rust scale and carbon thus eliminating danger of acid attack on machined surfaces.
 - Formulation contains sequestrants to counter hard water conditions.
 - Attacks multiple layers of aged paint finishes such as epoxies, acrylics, baked enamels, lacquers and varnishes.

CHEMICAL & PHYSICAL CHARACTERISTICS

Form	:	Free flowing powder
Colour	:	Off White
Solubility	:	Readily soluble in water
Rinsability	:	Good

RECOMMENDED OPERATING DETAILS (These recommendations are based on field experience)

Method of Application	:	Immersion
Concentration	:	60gm/lt - 150gm/lt
Temperature	:	90°C
Time	:	2 hours - 8 hours
Concentration	:	Cleaning : 40 - 80 g/litre Derusting, descaling, decarbonising: 50 - 150g/litre depending on amount and condition of rust and scale.
Temperature	:	Cleaning : 50 - 70 Derusting, descaling, decarbonising: 80° - 120°C (ideally maintain at rolling boil).
Time	:	5 mins - 2 hours depending on conditions of items being cleaned.



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Method : Immersion.

Note : When making additions of Metall-Clean 164PC add small quantities at a time being careful to ensure that all product is completely dissolved. DO NOT add to water above 60°C.

Use only on ferrous metals or copper. DO NOT use on aluminium, zinc, brass, tin or other non ferrous metals.

BATH CONTROL

Take a 10ml sample from the bath.
Add a few drops of phenolphthalein indicator and titrate with 1.0N acid (1.0N H₂SO₄ or 1.0N HCl) until colourless.

Calculate concentration as follows:

Mls x 6.2 = g/litre Metall-Clean 164PC

SAFETY PRECAUTIONS

Operators should wear chemical resistant gloves and apron. Splash proof safety glasses or goggles must be worn.

Avoid contact with skin and eyes. Keep out of mouth.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre.

If swallowed, do NOT induce vomiting. Give water or milk to drink. Seek urgent medical attention.

If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek urgent medical attention.

If skin contact occurs, remove contaminated clothing and flush affected area with excess water.

Ref : VH/3/09/CM Aust/11/02/S2

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