

Gardoclean® A5502

Cleaner/Rust Inhibitor Designed for In-Process Metal Fabrication Operations When Temporary Indoor Rust Inhibition is Needed.

PRIMARY APPLICATION

Gardoclean® A5502 is a cleaner/rust inhibitor designed for in-process metal fabrication operations when temporary indoor rust inhibition is needed. It is ideal for cleaning after machining to remove metal working fluids, oils, metal chips and fines. Gardoclean A5502 may be used in spray washers to remove difficult soils and it is well suited for single stage applications where rinsing is not available and/or rust inhibition is required. It is also ideal for ultrasonic and vibratory applications.

CHEMICAL CHARACTERISTICS

chemical composition.....	blend of organic amines, surfactants and inhibitors
physical form.....	yellow liquid
odor.....	mild
specific gravity.....	1.03 g/ml
bulk density.....	8.58 lbs/gal
flash point.....	none
pH (concentrate).....	8.5 – 9.5
solubility.....	complete

OPERATING PARAMETERS

Immersion (vibratory or ultrasonic units):

Concentration.....	3 to 8% by volume
Temperature.....	70°F to 160°F
Time.....	1 to 5 minutes

Follow with air blow off. If temporary rust inhibition is desired, do not rinse and dry parts immediately.

Spray Washers:

Concentration.....	3 to 6% by volume
Temperature.....	120°F to 160°F (foaming may occur under 120°F)
Time.....	30 seconds to 3 minutes

Follow with air blow off. If temporary rust inhibition is desired, do not rinse and dry parts immediately.

PROCESS CONTROL

To determine concentration pull a 100ml sample of the bath, add 5-6 drops of Indicator 21 (Methyl Orange Indicator) and titrate with 1.00N HCl until a red color is achieved. Record the mls used as T.

Tx 1.8 = % by volume Gardoclean A5502

PROCESS EQUIPMENT

Steel or stainless steel equipment and heaters are recommended.

SAFETY AND HANDLING

Prior to handling and use of any of the materials referenced in this document, the Material Safety Data Sheets should be read and understood by all personnel in contact with these materials.

KEEP OUT OF REACH OF CHILDREN

STORAGE

Dry indoor storage at temperatures between 40°F and 100°F is recommended, away from any incompatible materials referenced in the Material Safety Data Sheets. All containers should be tightly closed when not in use.

DISPOSAL

Any disposal of the materials referenced in this document should be in accordance with all applicable federal, state, and local regulations. The process solution can contain components other than those present in the materials as supplied. Analysis of process solutions may be required prior to disposal.

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