



SC-485 Metal-Guard

Iron Phosphating Liquid

SC-485 produces a uniform, fine-grained phosphate coating on mild steel, carbon steel, aluminum and zinc coated-steel. This coating creates an excellent base for paints by increasing the adhesion of all organic finishes and retards rusting of painted surfaces when scratched or injured. An easy-to-control liquid, SC-485 simplifies phosphating operations, saves processing time, reduces equipment requirements; inject or meter Metal-Guard into washing equipment straight from drum.

SC-485 has exceptional detergent action for removing dirt accumulations and fabricating oils; it performs readily in hard or soft water with no scaling of tanks or heating coils; a labor and energy saving feature.

SPECIFICATIONS

Physical Appearance.....	Clear, red liquid
Odor.....	Alcohol
Specific Gravity.....	1. 090 at 25 C
pH.....	1% solution 3.0 at 25 C
Viscosity.....	1.6 cstk. At 25 C
Freeze Point.....	-5 C
Phosphates as % PO4.....	2.9%
Flash Point.....	None

DIRECTIONS

Spray Washing Systems

When applying Metal-Guard by immersion systems should include the following 3 stage program gives excellent results.

- Wash with Metal-Guard at a concentration of 2 to 16 ounces per gallon of water for 1 to 2 minutes with a minimum temperature of 100 F.
- Rinse with hot water.
- A final non-chromate rinse

Tank Immersion Systems

Application of Metal-Guard by immersion systems should include the following 5 stages.

- Items to be phosphatized that are heavily soiled should be precleaned with Metal-Preclean diluted to give best results.
- Rinse thoroughly with warm water.
- Apply Metal-Guard at concentration of 4 to 16 ounces per gallon of water at temperatures of 140-180 F.
- Another thorough rinse with water.
- A final neutralizing rinse with Final Coat.

See Material Safety Data Sheet for additional handling instructions and first aid procedures.

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