

T.C. 167

Electrolytic Cleaner for Brass and Copper

PRIMARY APPLICATION

Specially formulated T.C. 167 is a modern, single-packaged powdered alkaline material for electro-conditioning brass and other copper alloys before painting. By reverse current (or soak) cleaning, T.C. 167 removes oils, some buffing compounds and other shop soils while preventing tarnish from forming on the surface. T.C. 167 combines exceptional detergent action with effective anti-tarnish protection. During reverse current cleaning, as well as during periods of transfer from cleaner to rinse, the work is chemically protective against the tarnishing effect of oxygen. If automatic equipment is used, this feature is even more beneficial.

CHEMICAL CHARACTERISTICS

Chemical composition	Caustic soda, phosphate, carbonate, silicate, anionic surfactants, amine and fluoride salt
Physical form	As received: white to yellow powder As used: clear solution
Odor	Slight ammonia type
Bulk density	1020 gallons (8.5 lbs/gal)
Hygroscopic tendency	Moderate
Foaming tendency	Controlled
Recommended diluent	Water
Maximum solubility	120 gallons @ 21°C (1 lb/gal @ 70°F)
Behavior in hard water	Sequesters
Rinsability	Good
Biodegradable	No
Phosphate-free	No
Normal working concentration	37.5 to 45 gallons (5 to 6 oz/gal) of water
Normal working temperature	82° to 99°C (180° to 210°F)
pH at working concentration	12.7 to 12.9
Effect of prolonged boiling	Reduced cleaning ability