



TRU-CHEM
COMPANY, INC.

CHEMICAL PROCESSES FOR INDUSTRY

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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

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| 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 ox/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 |