

## TECHNICAL INFORMATION

# Oakite<sup>®</sup> Aluminum Cleaner 166

**Non-silicated, non-etch alkaline soak cleaner for aluminum and its alloys.**

### PRIMARY APPLICATION

Oakite Aluminum Cleaner 166 is a non-silicated, non-etch, powdered alkaline soak cleaner for removing stencil markings, fingerprints, stamping oils, mill oils, light grease and some buffing compounds from aluminum and its alloys. Aluminum Cleaner 166 meets BAC 5749 Alkaline Cleaning Specification.

Combining exceptional cleaning ability with a high degree of safety to aluminum, it's ideal for cleaning prior to chromating, anodizing, etching, vitreous enameling or other operations where silicate residuals are undesirable.

Oakite Aluminum Cleaner 166 also finds application for soak cleaning of other metals such as steel and galvanized steel prior to phosphating.

### CHEMICAL CHARACTERISTICS

chemical composition .....	blend of surfactants, phosphates, borates and inhibitors
physical form .....	as received: free-flowing tan powder as used: tan solution
odor .....	bland
bulk density.....	972 g/l (8.1 lb/gal)
hygroscopic tendency.....	moderate
foaming tendency .....	moderate at 60 g/l (8 oz/gal)
recommended diluent .....	water
maximum solubility .....	105 g/l at 71 °C 14 oz/gal at 160°F)
behavior in hard water .....	sequesters
rinsability.....	excellent
biodegradable surfactants .....	yes
phosphate-free .....	no
normal working concentrations .....	45 to 60 g/l (6 to 8 oz/gal)
normal working temperatures.....	54 ° to 66 °C (130 ° to 150 °F)
pH at working concentrations .....	9.1 at 45 g/l (6 oz/gal) of water



## DISPOSAL

Discharge in accordance with federal, state and local regulations. Phosphate removal may be required.

## SHIPMENT

May be shipped by any common carrier. Freight classification is "Cleaning Compound, NOIBN, Powder". Product Code No. 3142.

## STORAGE

Suitable for general indoor storage. Keep container closed when not in use.

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