

# Technical Data Sheet

## Enviro-Clean AL

Enviro-Clean AL is a formulated, low alkalinity liquid cleaner designed for the cleaning of aluminium and alloy surfaces, steel, copper and brass. The product is inhibited to prevent any etching of the substrate, and carries no risk of causing hydrogen embrittlement of aluminium parts. Enviro-Clean AL is formulated from plant derived surfactants and sequestrants, and does not contain phosphates, phosphonates, caustic alkalis or NTA. This ensures a very safe product to use, with no environmental impact. The synergistic combination of these natural materials gives very high cleaning performance, and Enviro-Clean AL will remove a wide range of oils, greases and soils. Enviro-Clean AL is low foaming and suitable for both soak and spray applications

### TYPICAL PROPERTIES

Type	Low alkalinity, liquid cleaner formulated from naturally occurring surfactants and sequestrants which act synergistically to give very high levels of cleaning performance at low dilutions.
Appearance	Clear, light brown liquid.
pH	Concentrate is typically pH 8 to 9
SG	Typically 1.10 to 1.150
Freeze/Thaw stability	Stable
Volatility	As water
Solubility	100% miscible with water at all dilutions

### RECOMMENDATIONS FOR USE

Dilution	Enviro-Clean AL is designed to run at concentrations of 2% to 5% v/v in town mains water. Concentrations of Enviro-Clean AL are measured by simple titration, details of which may be obtained from our Technical Support.
Temperature	Temperatures between 40 °C and 90 °C are recommended
Time	Enviro-Clean AL will clean a wide range of soils, oils and greases successfully within the range of a 1 minute to 5 minutes. In general, the higher the cleaner temperature and the greater the agitation, then the quicker the cleaning will be.
Application	Parts should be immersed in the working solutions at temperatures and for times as recommended above. If at all possible, working solutions should be adequately agitated by e.g. recirculation pump, mechanical stirring or agitation. Enviro-Clean AL is very low foaming and so suitable for use in power spray equipment. To minimize foaming cleaner temperature should be maintained above 40C

HEALTH AND SAFETY: - Enviro-Clean AL is fully biodegradable and used solutions can be safely run to foul drain. However, Local Authority Guidance should be sought before disposing to drain Enviro-Clean AL that has been contaminated with oils, greases etc. as part of the cleaning process. Please consult the MSDS for Enviro-Clean AL for detailed safety precautions when handling and storing the product.

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