



TECHNICAL DATA SHEET

ESSECO LOW FOAM SPRAY CLEANER

ESSECO LOW FOAM SPRAY CLEANER CONCENTRATE

PRODUCT DATA AND TYPICAL PROPERTIES

ESSECO LOW FOAM SPRAY CLEANER is a silicate free, high performance aqueous parts cleaner with corrosion inhibitor. The unique composition of this lower pH product makes it an ideal choice for parts washing applications. This product can be used in both spray and immersion applications. This powerful aqueous cleaner is effective on a variety of contaminants including metalworking fluids, shop dirt, grease and oil. It is suitable to use on a variety of substrates including steel, stainless steel, cast iron, aluminium, copper and brass. For extremely sensitive aluminium alloys it might be necessary to add small amounts, 1 - 3% by volume, of Esseco Aqueous Rust Preventative M-RP to enhance the protection of the aluminium surface.

This low residue formula will not only clean but provide temporary indoor rust protection when left on metal surfaces. The duration of rust protection is directly related to environmental storage conditions.

Odour	: slight odour of surfactants/detergents
pH (10% solution)	: 9.5 (approximately)
Flash Point	: none
Surface Tension	: 29 dynes/cm
Viscosity	: <100 cps

PRODUCT SPECIFICATION

Appearance	Clear colourless to very pale yellow liquid
Specific Gravity (25°C)	1.095-1.115
pH (25°C, neat)	9.0-9.4

PERFORMANCE

Features

- Silicate free
- Lower pH
- Hard water tolerant
- Cleaner with corrosion inhibitor
- Not hazardous
- Low foaming
- Low BOD/COD values
- Not flammable

Benefits

rinses well
enhanced worker safety
reduces equipment maintenance
effectively cleans and protects in one step
no special safety or storage conditions
suitable for spray washing
easy disposal, simple effluent treatment
safe in all cleaning equipment

SUBSTRATE COMPATIBILITY

Esseco Low Foam Spray Cleaner is suitable for cleaning a wide variety of ferrous and non-ferrous substrate metals, including the following:

Steel, stainless steel, brass, copper and copper alloys, most aluminium alloys.



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SOILS AND CONTAMINANTS TO BE REMOVED

The following soils can be removed using Esseco Low Foam Spray Cleaner:

Light to moderate machining coolants, stamping compounds, greases, protective oils, engine oils, brake dust, shop dirt, etc.

PROCESS CONTROL

The product is supplied as a liquid concentrate and diluted with water to 2 - 8% Esseco Low Foam Spray Cleaner concentrate by volume. Aqueous Cleaner concentration in the wash bath can be measured and controlled by a simple titration using readily available test equipment.

Operating temperature range is 45 - 75°C. Normal or high pressure spray is used to enhance cleaning.

Parts cleaned with Esseco Low Foam Spray Cleaner can be rinsed with warm water prior to drying but this washes away the rust protection

Oil Separation: Esseco Low Foam Spray Cleaner emulsifies the soils removed into the cleaning bath water. Oil skimming is therefore not very effective for this cleaner formulation.

Water Hardness: Esseco Low Foam Spray Cleaner can tolerate up to 400 ppm hard water at 70°C without the formation of scale or precipitate.

STANDARD PACKAGING

1000 litre Intermediate bulk containers (IBCs), 200 and 25 litre polyethylene drums.

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.