



TECHNICAL DATA SHEET

ESSECO AQUEOUS CLEANER M-GP

ESSECO AQUEOUS CLEANER CONCENTRATE

PRODUCT DATA AND TYPICAL PROPERTIES

Esseco Aqueous Cleaner M-GP is an environmentally sensible, inorganic based, aqueous cleaner. It is suitable for degreasing and cleaning a wide variety of ferrous and non ferrous substrates, e.g. glass, plastics such as polycarbonate, CR 39 and other optical lens surfaces prior to coating. Esseco Aqueous Cleaner M-GP provides excellent rinsing capabilities.

Odour	: slight odour of surfactants/detergents
pH (10% solution)	: 11.4 (approximately)
Flash Point	: none
Surface Tension	: 28 dynes/cm
Viscosity	: <100 cps
BOD	: 13,000 mg/l
COD	: 195,000 mg/l
FOG	: 35,000 mg/l

PRODUCT SPECIFICATION

Appearance	Pale straw to amber, clear to slightly hazy liquid.
Specific Gravity (25°C)	1.05-1.09
pH (25°C, neat)	11.3-11.6

APPROVALS

M-GP meets the following requirements:

- Boeing D6-17487 Exterior & General Cleaners & Liquid Waxes
- Douglas Aircraft CSD No.1 General Purpose Cleaner
- AMS 1526B Cleaner for Aircraft Exterior Surface, Water Miscible, Pressure Spraying Type

PERFORMANCE

Features

- Corrosion inhibited
- Versatile
- Unique formulation
- No ozone depleting potential
- No VOCs
- Not hazardous
- Low toxicity, no glycol ethers
- Low foaming
- Low BOD/COD values
- Not flammable

Benefits

meets aerospace test requirements
safe on variety of metals and plastics
superior cleaning results
environmentally friendly
no VOC permits required
no special safety or storage conditions
worker safety
suitable for spray and immersion washing
easy disposal, simple effluent treatment
safe in all cleaning equipment

Product: ESSECO AQUEOUS CLEANER M-GP
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SUBSTRATE COMPATIBILITY

Esseco Aqueous Cleaner M-GP is formulated specifically for cleaning a wide range of metals and some plastics.

Plastics, Glass substrates

These materials can also be readily cleaned in Esseco Aqueous Cleaner M-GP, though care should be taken with the temperature of the wash solution to avoid distortion of plastic materials.

SOILS AND CONTAMINANTS TO BE REMOVED

Esseco Aqueous Cleaner M-GP is suitable for a wide range of degreasing and cleaning duties.

PROCESS CONTROL

The product is supplied as a liquid concentrate and diluted with water to 3 - 10% Esseco Aqueous Cleaner M-GP 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 40 - 70°C, with typical use at 60°C. For CR 39 lens cleaning, an operating temperature range of 50 – 55°C is used. Spray, mechanical or ultrasonic agitation is used to enhance cleaning.

Parts cleaned with Esseco Aqueous Cleaner M-GP can be rinsed with warm water prior to drying.

Oil Separation: Esseco Aqueous Cleaner M-GP rapidly splits oils to the surface of the wash solution to allow for separation and extending the bath life of the cleaning chemistry.

Water Hardness: Esseco Aqueous Cleaner M-GP is tolerant up to 200 ppm of total water hardness.

STANDARD PACKAGING

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

FOR HANDLING INFORMATION PLEASE CONSULT THE SAFETY DATA SHEET.