



TECHNICAL DATA SHEET

ESSECO AQUEOUS CLEANER M-AUTO

ESSECO AQUEOUS CLEANER CONCENTRATE

PRODUCT DATA AND TYPICAL PROPERTIES

Esseco Aqueous Cleaner M-AUTO is a NON SILICATED (NS) heavy duty, environmentally sensible, inorganic based, aqueous cleaner designed for cleaning a variety of soils from ferrous metal surfaces in the AUTOMOTIVE INDUSTRY. The unique chemistry of Esseco Aqueous Cleaner M-AUTO makes it ideal for use in immersion, agitated batch washer and spray washer applications. The rust preventatives in M-AUTO provide temporary indoor rust protection without the use of oil, nitrites or amines that could adversely affect employee health and safety.

Odour	: slight odour of surfactants/detergents
pH (10% solution)	: 10.3 (approximately)
Flash Point	: none
Surface Tension	: 27 dynes/cm
Viscosity	: <100 cps
BOD	: 6850 mg/l
COD	: 267,500 mg/l
FOG	: 56,500 mg/l

PRODUCT SPECIFICATION

Appearance	Pale straw to amber, clear to slightly hazy liquid.
Specific Gravity (25°C)	1.03-1.08
pH (25°C, neat)	9.5-10.5

APPROVALS

M-AUTO meets the following requirements:

- GM FID No. 333771
- Ford Motor Co Tox No. 152082
- SCAQMD

PERFORMANCE

Features

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

Benefits

no surface build up (better coatings adhesion)
superior cleaning results
environmentally friendly
no VOC permits required
no special safety or storage conditions
worker safety
suitable for spray (with care) and immersion washing
easy disposal, simple effluent treatment
safe in all cleaning equipment

Product: ESSECO AQUEOUS CLEANER M-AUTO
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SUBSTRATE COMPATIBILITY

Esseco Aqueous Cleaner M-AUTO is formulated specifically for cleaning steels and other ferrous based alloys.

SOILS AND CONTAMINANTS TO BE REMOVED

The following soils can be removed using Esseco Aqueous Cleaner M-AUTO:

Machine, Engine and Transmission oils; cooling fluids, cutting fluids and general lubricants; greases; inks; and general shop soils and loose grit.

PROCESS CONTROL

The product is supplied as a liquid concentrate and diluted with water to 7 - 10% Esseco Aqueous Cleaner M-AUTO 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 55 - 70 °C. Spray or mechanical agitation is used to enhance cleaning.

Parts cleaned with Esseco Aqueous Cleaner M-AUTO should not be rinsed with water otherwise the rust protection quality is lost.

Oil Separation: Esseco Aqueous Cleaner M-AUTO 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-AUTO 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.

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