

# TECHNICAL DATA SHEET

## MWS ADDITIVE™ EM 2

### ADDITIVE DISPERSANT FOR WATER SOLUBLE OIL

MWS ADDITIVE™ EM 2 is an aqueous solution of tensids for soluble oils. This additive is used to re-disperse metallic soap depots and/or re-stabilize emulsions.

MWS ADDITIVE™ EM 2 is to be used when an emulsion is altered by important mineral salt concentration, mainly Calcium and Magnesium, resulting from consequent top up additions to compensate drag out and evaporation. Metallic soap formation and creaming of emulsions is the negative consequence of increasing metallic salts concentration.

MWS ADDITIVE™ EM 2 allows to re-emulsify the soluble oil and disperse metallic soaps for emulsions and micro-emulsions. It does support corrosion protection too.

#### Applications

MWS ADDITIVE™ EM 2 should be added at a point of agitation in the system to aid dispersion (but obviously not close from filtering system).

Dosage is generally between 0,2 and 1% with respect to service volume of emulsion. (0,5% being the typical dosing). The actual required percentage should be determined thanks to lab analysis.

#### Recommendation For Use

Typical use: 0,2-1% (200 ml-1l pour 100 l)

#### Benefits

- Extends fluid sump life: disperses metallic soaps formed by hard water dilution or consequent top up in central systems
- Particularly efficient: low dosing quantity
- Does not affect fluid's performance: pH of treated emulsion is not modified. Integrity of fluids in use is preserved
- Excellent HSE profile: Exempt of boron, chlor, phenol, de nitrite, secondary amine, formaldehyde releasers
- Respects the environment: biodegradable product

#### Health, Safety And Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

#### Typical Physical Properties

PROPERTY	TYPICAL VALUE	UNIT
Concentrate Appearance	Light yellow, limpid	
Specific Gravity @20°C	1,01	DIN 51757
pH @6%	8,5-9,5	DIN 51369

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