MAGNETIC PARTICLE INSPECTION

		Carrier Media		Delivery Form					Recommended Concentration							Colour					Particle Size d_a						Temperature Range						Additive Contained		
		Oil	Water	Concentrate	Ready for use	Dry powder	Compressed air	Aerosol	1:25	1:40	1:50	1:100	1:125	1:200	1:1000	black	red	grey	Yellow-green	green	0,2 µm	1-3 µm	2,5–5 µm	3-7 µm	5-50 µm	15-160 µm	+10°C to +50°C	+50°C to 130°C	>50°C to 185°C	<150 °C	<315 °C	<500 °C	Anti-foam	Corrosion inhibitor	Wetting agent
Coloured	MR®210 [1] [2] Magnetic Powder	✓	✓			ECO-LINE								✓		✓					✓						✓					✓			
	MR®210 [1] Magnetic Powder	✓	✓			ECO-LINE						✓				✓					✓						✓					✓			
	MR®214 [2] Magnetic Powder Composition		✓	ECO-LINE								✓				✓						✓					✓						✓	✓	✓
	MR®214 Magnetic Powder Composition		✓	ECO-LINE					✓							✓						✓					✓						✓	✓	✓
	MR®220 [2] Magnetic Powder Concentrate		✓	ECO-LINE								✓				✓						✓					✓						✓	✓	✓
	MR®221 [2] Magnetic Powder Concentrate		✓	ECO-LINE							✓					✓						✓					✓						✓	✓	✓
	MR®221 GF [2] Magnetic Powder Suspension		✓		ECO-LINE		ECO-LINE									✓						✓					✓						✓	✓	✓
	MR®221 GF Magnetic Powder Suspension		✓		ECO-LINE		ECO-LINE									✓						✓					✓						✓	✓	✓
	MR®225 [2] Magnetic Powder Suspension	✓		H304								✓				✓						✓					✓								✓
	MR®230 [2] Magnetic Powder					ECO-LINE											✓									✓					✓				
	MR®231 [2] Magnetic Powder					ECO-LINE												✓								✓						✓			
	MR®76 S [2] Magnetic Powder Suspension (PMUC)	✓			H304			H222 H304								✓						✓					✓								
	MR®76 S Version A Magnetic Powder Suspension	✓			H304			H222 H304								✓						✓					✓								
	MR®76 SH [2] Magnetic Powder Suspension	✓			H304			H222 H304								✓							✓					✓							
	MR®76 SR Magnetic Powder Suspension	✓			ECO-LINE			H222								✓						✓					✓								
	MR®76 S Version D [2] Magnetic Powder Suspension	✓			H304			H222 H304								✓						✓					✓								
Fluorescent	MR®110 [1] Magnetic Powder	✓	✓			ECO-LINE									✓				✓			✓					✓			✓					
	MR®114 Magnetic Powder Composition		✓	ECO-LINE									✓							✓				✓			✓						✓	✓	✓
	MR®121 Magnetic Powder Concentrate		✓	H315 H319										✓					✓			✓					✓						✓	✓	✓
	MR®131 Magnetic Powder Concentrate	✓		H304								✓							✓			✓					✓								✓
	MR®131-R Magnetic Powder Concentrate	✓		ECO-LINE								✓							✓			✓					✓								✓
	MR®131-R GF Magnetic Powder Suspension	✓			ECO-LINE														✓			✓					✓								
	MR®133-R Magnetic Powder Super Concentrate		✓	ECO-LINE											✓				✓			✓					✓						✓		✓
	MR®153 Magnetic Powder Concentrate		✓	ECO-LINE							✓								✓			✓					✓						✓	✓	✓
	MR®153 PO Magnetic Powder Concentrate – high-brilliance		✓	ECO-LINE							✓									✓				✓			✓						✓	✓	✓
	MR®158 Magnetic Powder Concentrate (PMUC)		✓	ECO-LINE							✓								✓			✓					✓						✓	✓	✓
	MR®158-R Magnetic Powder Concentrate		✓	ECO-LINE							✓								✓			✓					✓						✓	✓	✓
	MR®158-R K Magnetic Powder Concentrate		✓	ECO-LINE						✓									✓			✓					✓						✓	✓	✓
	MR®158-R GF Magnetic Powder Suspension		✓		ECO-LINE		ECO-LINE												✓			✓					✓						✓	✓	✓
	MR®160 Magnetic Powder Concentrate		✓	ECO-LINE							✓								✓			✓					✓						✓	✓	✓
	MR®76 F Magnetic Powder Suspension (PMUC)	✓			H304			H222 H304											✓			✓					✓								
	MR®76 FH Magnetic Powder Suspension	✓			H304			H222 H304											✓			✓							✓						
	MR®76 FR Magnetic Powder Suspension	✓			ECO-LINE			H222											✓			✓					✓								
	MR®761 F Magnetic Powder Suspension - high brilliance	✓			H304			H222 H304											✓			✓					✓								

[1] Dual system for dry testing and also for wet testing with addition of additives

[2] not acc. to ASTM E 1444

✓ = applies

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MAGNETIC PARTICLE INSPECTION

		Delivery Form			Basis			Temperature Range	
		Concentrate	Ready for use	Aerosol	Solvent	Oil	Water	+10°C to +50°C	>50 °C
Contrast Paint	MR®72 White contrast paint (PMUC)		H225 H315 H317 H319 H336	H225 H317 H319 H336	✓			✓	
	MR®72 LS White contrast paint - paintable and over-weldable		H225 H317 H319 H336	H225 H317 H319 H336	✓			✓	
	MR®721 White contrast paint aqueous		ECO-LINE				✓	✓	
Carrier Media	MR®82 Flux oil (ASME)		H304			✓		✓	
	MR®82-R Flux oil (ASME)		ECO-LINE			✓		✓	

		Delivery Form			Basis			Temperature Range	
		Concentrate	Ready for use	Aerosol	Solvent	Oil	Water	+10°C to +50°C	>50 °C
Additives	MR®300 Corrosion inhibitor	ECO-LINE					✓	✓	
	MR®302 Corrosion inhibitor concentrate	ECO-LINE					✓	✓	
	MR®400 Wetting agent	ECO-LINE					✓	✓	
	MR®500 Anti-foam emulsion	ECO-LINE					✓	✓	
	MR®602 Bactericide / Fungicide	H318 H412 H315 H317					✓		✓
Cleaner	MR®71 Paint remover (PMUC)		H225 H319 H336	H222 H319 H336	✓			✓	
	MR®603 System cleaner	H314					✓	✓	

[1] Dual system for dry testing and also for wet testing with addition of additives

[2] not acc. to ASTM E 1444

✓ = applies

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