

Notice

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FUCHS System cleaner					Solvents								Corrosion protection									
Product	RENOCLEAN SMC	RENOCLEAN SMC +	RENOCLEAN FXM 4005	ACTICIDE OX / MBS /WB 200	Product	RENOCLEAN MTS 7001	RENOCLEAN KU	RENOCLEAN KAF	RENOCLEAN KLV	RENOCLEAN UWF / FUCHS MULTICLEAN	RENOCLEAN E	RENOCLEAN E Spray	Product	RENOCLEAN VR 3222	ANTICORIT SKR 3001	RENOCLEAN VR 2729 K	ANTICORIT MKR 30	ANTICORIT MKR 7	ANTICORIT DFO 8101	ANTICORIT DFW 8101	ANTICORIT RPC / MPC 5000	
Physical state	System cleaner complete product	System cleaner complete product	System cleaner biocide and fungicide-free	Biocide and fungicide for system cleaner	Function	Cleaner based on modified alcohols	Isoparaffin-based, free of aromatics	Free of aromatics	VOC-free, free of aromatics	Free of aromatics, environmentally friendly, demulsifying	Emulsifying, extra stable at low temperatures	Aerosol for application	Function	Temporary, mineral oil-free corrosion protection			Mineral oil-based corrosion protection emulsion	Water-miscible corrosion protection concentrate	Solvent-based, water-displacing corrosion protection, leaving a thin film	Anticorrosion concentrate, dilutable in many solvents		
Emulsifying properties	liquid	liquid	liquid	liquid	Physical state	liquid	liquid	liquid	liquid	liquid	liquid	spray	Physical state	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	
Foaming tendency	emulsifying	emulsifying	emulsifying	–	Flash point	61 °C	62 °C	63 °C	90 °C	62 °C	63 °C	63 °C	Emulsifying properties	–			emulsifying		demulsifying		–	
Application	none	none	none	–	Boiling range	168–173 °C	185–213 °C	175–220 °C	217–255 °C	180–330 °C	–	–	Foaming tendency	low	low	low	moderate	strong	low	low	low	
Materials	System Cleaner for cooling lubricant supply systems	System Cleaner for cooling lubricant supply systems without formaldehyde releasers	System cleaner for cooling lubricant supply systems, base system without biocide / fungicide	In combination with RENOCLEAN FXM 4005 for targeted application	Density at 15 °C	880 +/-10 kg / m³	766 kg / m³	794 kg / m³	810 kg / m³	790 kg / m³	800 kg / m³	800 kg / m³	Application	Immersion, injection, flood and spray application			Immersion, flood and spray application	Immersion and flood application	Immersion and spray application			
Comments	–	–	–	See FUCHS Service program	Application	Suitable for the removal of polar and non-polar impurities	For cleaning of precision mechanics and electric/electronic parts	Fine cleaning, fast drying	Universal application, slowly evaporating	Universal application in industry and commerce, applicable with high-pressure equipment	For cleaning of engines, transmissions, chassis and other assemblies and components	For cleaning of engines, transmissions, chassis and other assemblies and components	Materials	all material	Fe, Mg, Al (Cu, Ms) ¹	Fe	Fe, Al, Cu, Ms	all material ¹	all material			
Notes	Contact time 8–24h	Contact time 8–24h	Contact time 8–24h	–	Comments	distillable	distillable	distillable	distillable	free from caustic and corrosive substances	residues can be rinsed off with water	residues can be rinsed off with water	Notes	water-miscible			oily		waxy	oily		
PH, if applicable	9,8 at 2 %	10,4 at 2 %	10,0 at 2 %	–	Notes	Suitable for solvent-based cleaning-lines	Suitable for solvent-based cleaning-lines	Suitable for solvent-based cleaning-lines	Suitable for solvent-based cleaning-lines	Good anti-corrosion properties	Easy to use	Attention: Vapours are heavier than air	Corrosion protection, chips / filter test 0 / 0 at x % at _	temporarily, '3,5 % / 10° dH	temporarily, '1,5 % / 10° dH	temporarily, '2 % / 10° dH	well, '2 % / 20° dH	well	very well			
Concentration range in %	1–2	1–2	1–2	–	PH, if applicable in %	8,3 at 2 %	9,8 at 2 %	10,1 at 2 %	8,8 at 2 %	9,2 at 10 %	–			Concentration range	1–3	0,5–5	0,5–3	3–5	5–10	100	100	typisch >3
				Fe – steel, iron, cast iron and stainless steel ¹ to check first	Temperature range in bar	60 °C (20–80)	60 °C (20–80)	60 °C (20–80)	50 °C (20–60)	50 °C (20–70)	room temperature			Injection pressure	0,1–5			–				

RENOCLEAN

Perfect Cleaning



Cleaner for metalworking 2015

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FUCHS Skin protection before work		Skin cleaning		Skin care	
Product	RENOCLEAN HAND PROTECT MULTI	RENOCLEAN HAND PROTECT PRO	RENOCLEAN HAND WASH MILD	RENOCLEAN HAND WASH INTENSIVE	RENOCLEAN HAND CARE
Function	Silicone-free, non-marking, breathable, all-purpose skin cream	Silicone-free, water-soluble skin protection cream	Mild, soap-free, unperfumed skin cleansing gel	Hand cleaner with abrasives for heavy soiling	Silicone-free skin care cream
Application	Before handling with changing working materials (water-soluble and water-insoluble pollutants and irritants)	Prior to contact with strong water-immiscible contaminants such as oils, greases, lubricants, metal debris, dust and soot	For cleaning heavily stressed and sensitive skin	Is ideal for cleaning heavily soiled hands in the areas of auto repair shops, and many mechanical engineering	After working perfectly suited as cream for hands, whose natural protective barrier is attacked while working
Comments	Forms a thin, invisible and protective film on the skin	Forms a tack-free, thin and protective microfilm on the skin	Particularly suitable where frequent hand washing is necessary	Includes plastic flour as friction body, low perfumed	Contains nursing vegetable oils, beeswax and moisture-regulating substances
Notes	Active support for cleaning after work	Includes by the skin well tolerated specialty surfactants, who actively support the subsequent skin cleansing	Free of perfumes, dyes and preserving agents	Is pH-neutral set and contains skin care substances	Obtains the skin when used regularly, healthy and strong
Available quantities	50 x 100 ml tube 6 x 2,000 ml pouch bottle	50 x 100 ml tube 6 x 2,000 ml pouch bottle	25 x 250 ml tube 6 x 2,000 ml pouch bottle	25 x 250 ml tube 6 x 2,000 ml pouch bottle	50 x 100 ml tube 6 x 2,000 ml pouch bottle
Equipment	RENOCLEAN DONA 2000K Dispenser (for pouch bottle)				

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	Neutral cleaner							One-Component-Products						Acid cleaners		Special products						Builder components										Surfactant components				
Product	RENOCLEAN VR 1948	RENOCLEAN VR 1021 DGI	RENOCLEAN VR 1021 CXV	RENOCLEAN MTO 3001	RENOCLEAN MSO 3004	RENOCLEAN VR 1021	RENOCLEAN C 20 K 1427	RENOCLEAN MTA 3003	RENOCLEAN VR 1798/2	RENOCLEAN WSA 4002	RENOCLEAN FDC 4001	RENOCLEAN MDA 4002	RENOCLEAN FSA 4017	RENOCLEAN FSO 2010	RENOCLEAN FTM 1001	RENOCLEAN SPEZIAL 2000	RENOCLEAN GXA 3004	RENOCLEAN GSO 3001	RENOCLEAN GTM 3001	RENOCLEAN AKTIV DA	RENOCLEAN GXM 3001	RENOCLEAN MTA 2001	RENOCLEAN MTA 3001	RENOCLEAN MTA 4001	RENOCLEAN FTA 4002	RENOCLEAN ENTFETTER 39	RENOCLEAN FTA 4001	RENOCLEAN VR 3222	RENOCLEAN VR 2729 K	RENOCLEAN MST 2001	RENOCLEAN TENSID 161	RENOCLEAN T 4092	RENOCLEAN VR 1500	RENOCLEAN MDT 3002		
Function	Neutral cleaner, salt free	Neutral cleaner	Neutral cleaner	Neutral cleaner, salt free, spray and immersible	Neutral cleaner, salt free	Neutral cleaner, salt free	Neutral cleaner, salt free	Spray cleaner, suitable for immersion and ultrasonic	Immersion and ultrasonic cleaner	Spray cleaner	Immersion and ultrasonic cleaner	Immersion cleaner, sprayable	Spray cleaner, suitable for immersion and ultrasonic	Neutral derusting cleaner	Derusting, descaling, contains phosphoric acid	Emulsifying universal cleaner	Floor and hall cleaner	Cleaner for transport boxes (KLT)	Rinse aid	Demulsifier	Defoamer	Builder, neutral	Builder, mild alkaline	Builder, moderate-alkaline	Builder, highly alkaline	Builder, highly alkaline with silicate	Builder, highly alkaline	Builder with corrosion protection, recyclable, salt-free	Builder with corrosion protection, recyclable, salt-free	Cleaning booster, spray and submersible	Cleaning booster, submersible	Cleaning booster, sprayable	Neutral cleaner, cleaning booster sprayable	Cleaning booster, emulsifying, submersible		
Physical state	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	liquid	
Emulsifying properties	demulsifying effect	demulsifying effect	demulsifying effect	demulsifying effect	demulsifying effect	demulsifying effect	demulsifying effect	demulsifying effect	slightly emulsifying	demulsifying effect	slightly emulsifying	demulsifying effect	demulsifying effect	slightly demulsifyin	–	emulsifying	emulsifying	demulsifying	–	demulsifying	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Foaming tendency	lowest	lowest	lowest	lowest	lowest	low	low	moderate	strong	low	strong	moderate	low	low	low	strong	moderate	low	low	low	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none	none
Application	Spray and high pressure cleaning (300 bar)	Spray and high pressure cleaning (600 bar)	Spray, pressure flooding and high pressure cleaning (200 bar, 300 short-term)	Spray, immersion and ultrasonic cleaning	Spray and high pressure cleaning (500 bar)	Spray cleaning	Spray cleaning	Spray, immersion and ultrasonic cleaning	Immersion, ultrasonic and manual cleaning	Spray, immersion and manual cleaning	Immersion, ultrasonic and manual cleaning	Immersion cleaner, sprayable up to 4 bar	Spray, immersion and ultrasonic cleaning	Spray, immersion and ultrasonic cleaning	Immersion, ultrasonic and manual cleaning, Integrated consumption indicator	Immersion, ultrasonic and manual, commercial vehicle, tarpaulins, indoor and Workshop cleaning	Floor cleaning machine or manually, equipment cleaning	Spray and manual cleaning	Spray and immersion application	Separation of emulsified oil	Foam-control additive for cleaning solutions	Immersion, Injection, ultrasonic and spray cleaning	Immersion, Injection, ultrasonic and spray cleaning	Immersion, Injection, ultrasonic and spray cleaning	Immersion, Injection, ultrasonic and spray cleaning	Immersion, Injection, ultrasonic and spray cleaning, electrolytic degreasing	Immersion, Injection, ultrasonic and spray cleaning, electrolytic degreasing, dephosphating	Immersion, Injection, ultrasonic and spray cleaning, pressure rated	Immersion, Injection, ultrasonic and spray cleaning, pressure rated	Immersion, injection, ultrasonic and spray cleaning	Immersion, injection, and ultrasonic cleaning	Spray cleaning	Spray cleaning	Immersion and ultrasonic cleaning		
Materials	Fe, Al, Zn, (Cu, Brass) ¹ plastics ¹	Fe, Al, Brass, Cu	Fe, Al, Brass, Cu, Mg	Fe, Al, Zn (Cu, Brass) ¹ plastics ¹	Fe, Al, Brass, Cu	Fe, Mg (Al, Cu, Brass) ¹	Fe, (Mg) ¹	Fe, Al (Zn, Cu, Brass) ¹	Fe, (Al, Brass, Cu) ¹	Fe, Al	Fe, Mg, Titan, plastics ¹	Fe, Fe verz., Mg, (Al) ¹	Fe, (Mg) ¹	Fe, Al	Fe	all materials ¹	all materials ¹	mainly plastics	plastics, (metals) ¹	–	–	Al, Cu, Brass (Zn) ¹ plastics	Al (Fe, Cu, Brass, Zn) ¹ plastics	Fe, (Mg, Al, Cu, Brass, Zn) ¹ plastics	Fe, Mg, plastics ¹	Fe, Mg, Al (Cu, Brass, Zn) ¹ plastics ¹	Fe, Mg (Cu, Brass) ¹ plastics ¹	all materials	Fe, Mg, Zn, plastics	all	all	all	all	all		
Comments	High pressure suitable	High pressure suitable, contents phosphate and boron amine	High pressure suitable, contents hydroxide	Low residue formation, salt free	Suitable for micro-filtration, salt-free, residue formation is very low, high pressure suited	Residue formation is very low, salt-free	Low residue formation, salt free	Contains hydroxides and phosphates	Contains hydroxides and silicates	Contains hydroxides and silicates	Combinable with RENOCLEAN MDT 3002	Silicate-free, contains hydroxides	Contains hydroxides and phosphates	Applicable after thermal or ECM deburring	Suitable for cleaning calcified and contaminated cleaning equipment	Contains phosphate	Odorless, no need for classification	To remove oils, grease, abrasion and dust from transport	Antistatic effect on plastic surfaces	Demulsifier with defoaming properties	based on paintable polysiloxanes	Free of borate, silicate and surfactant, contains phosphates, usable with microfiltration	Free of borate, silicate and surfactant, contains phosphates, usable with microfiltration	Free of borate, silicate and surfactant, contains phosphates, usable with microfiltration	Free of borate, silicate and surfactant, contains hydroxide and phosphates, usable with microfiltration	Borate-free, contains hydroxides, phosphates and silicates	Borate-free, contains hydroxides, usable with microfiltration	Free of nitrite, silicate and surfactant, contains boron and amines, usable with microfiltration	Free of nitrite, silicate and surfactant, contains boron and amines, usable with microfiltration	Microfilterable, highly dependent on membrane and operating parameters!	Microfilterable, highly dependent on membrane and operating parameters!	Wets very well, even at overlapping locations	Use also as a Neutral cleaner, free of corrosion protection components	Good ultrasonic support, high oil and fat absorption		
Notes	For example: used before heat treatment, no turbidity	Strong demulsifying effect, almost foam free at 25 °C	Nearly foam free from and above 30 °C	Universally applicable, e. g. before heat-treatment, low-foam use from 30 °C	For example: used before heat-treatment, virtually foam free from 20 °C	For example: used before heat treatment	For example: used before heat treatment	Universally applicable	Also suitable for floor-cleaning, from 20 °C	For heavily soiled items and aggregates (eg train, engine and chassis components)	For cleaning tasks in medical technology, supports spot-free drying	For cleaning parts such as: with difficult to remove forming lubricants	For cleaning parts such as: to remove pigment dirt	Parts are metallic bright after treatment and therefore be fitted immediately with corrosion protection (RENOCLEAN- or ANTICORIT products)	Suitable for all manual cleaning, for immersion, for steam jet and floor cleaning equipment	Suitable for all manual cleaning, especially for floor cleaning equipment	Designed for container cleaning equipment	Dosage in rinse for faster drying of plastic boxes	Installations for the removal of oil demulsified oil are necessary (oil separator etc.)	Immediate, long-lasting defoaming and deaeration effect	Note product info – use with appropriate surfactant										Accordance with Regulation (EC) no. 648/2004					
Corrosion protection, chips/ filter test 0/0 at x % at _	temporarily, '3 %/10° dH	temporarily, '2,5 %/10° dH	temporarily, '2 %/10° dH	temporarily, '2 %/in VE-water	temporarily, '2 %/in VE-water	temporarily, '2 %/10° dH	temporarily, '1,5 %/10° dH	temporarily, '3 %/10° dH	–	temporarily, '2 %/in VE-water	–	temporarily, '1,5 %/10° dH	temporarily, '1,5 %/10° dH	–	–	–	–	–	–	–	–	–	–	–	–	–	–	temporarily, '3,5 %/10° dH	temporarily, '2 %/10° dH	–	–	–	–	–		
PH, if applicable	8,3 at 3,5 %	9,2 at 3,5 %	9,7 at 2 %	9,7 at 2 %	9,8 at 2 %	10,2 at 2 %	10,2 at 2 %	9,7 at 3 %	10,8 at 2 %	12,1 at 2,5 %	12,1 at 2 %	12,2 at 2 %	12,2 at 2 %	6,5 at 5 %	1,5 at 2 %	10,9 at 3 %	9,1	8,6 at 2 %	9,4 at 2 %	7,6 at 1 %	8,7	8,0 at 2 %	8,3 at 2 %	10,1 at 2 %	12,5 at 2 %	12,6 at 2 %	12,9 at 1 %	8,3 at 2 %	10,1 at 2 %	6,5 at 2 %	8,4 at 2 %	neutral	9,3 at 2 %	9,7 at 3 %		
Concentration range in %	2–6	1–5	1–5	1–5	1–5	1–5	1–5	2–7	2–7	1–5	2–7	1–7	1–7	2–10	1–20	2–20	2–20	1–10	0,1–0,5	0,1–1,0	0,01–0,25	2–7	2–7	2–7	2–8	2–20	2–18	2–5	2–5	0,3–3	0,1–1	0,1–2,0	0,1–2,0	0,3–2,0		
Temperature range	60 °C (20–80)	50 °C (10–80)	65 °C (30–80)	65 °C (30–80)	60 °C (10–80)	65 °C (40–80)	65 °C (40–80)	60 °C (40–80)	65 °C (40–80)	60 °C (30–70)	65 °C (50–80)	65 °C (40–80)	65 °C (35–80)	50 °C (20–60)	40 °C (20–60)	35 °C (20–80)	35 °C (20–50)	60 °C (20–80)	50 °C (20–80)	–	–	65 °C (40–80)	65 °C (40–80)	65 °C (40–80)	65 °C (40–80)	65 °C (20–80)	65 °C (20–80)	60 °C (20–80)	65 °C (40–80)	65 °C (40–80)	65 °C (40–80), spray min. 50 °C	65 °C (40–80)	60 °C (50–70)	65 °C (40–80)	65 °C (40–80)	
Injection pressure in bar	300	600	200 (300 short-term)	up to ~ 25	500 (at 50 °C)	up to ~ 20	up to ~ 15	up to ~ 15	–	up to ~ 15	–	up to ~ 4	up to 25	up to ~ 10	up to ~ 5	–	–	up to ~ 5	up to ~ 5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Fe – steel, iron, cast iron and stainless steel ¹ to check first																																				