



weidner

WATER TREATMENT PRODUCTS FOR ASIA AND MIDDLE EAST

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COOLING TOWERS

BIOCIDES FOR COOLING TOWER WATER TREATMENT CHEMICAL

	Broadband biocide	Efficacy-tested according to DIN EN 13623 (bactericidal effect against legionella)	Chemical mode of action	Properties
Wetrocheck 3603	☒	☒	Non-oxidizing	Reliable broad-spectrum biocide for maintaining the hygienically safe operation of open cooling circuits
Wetrocheck 3675	☒	☒	oxidizing	Environmentally compatible and neutral reacting due to decomposition into water and oxygen
Wetrocheck 3660	☒	☒	oxidizing	Radical chlorine compound for efficient control of microorganisms and biofilms
Wetrocheck 3640	☒	☒	oxidizing	In-situ production of chlorine dioxide, for the minimization of AOX compounds in cooling water

INHIBITORS

	Hardness stabilization	Corrosion inhibition	Dispersion of sludge and iron oxides	Cooling capacity of the unit	Mixed installations	Properties
KW 2630	☒	☒	☐	> 2 MW	☐	Does not interfere with flocculation
KW 2830	☒	☒	☒	< 2 MW	☐	Adapted to the requirements of small systems
KW 2890	☒	☒	☒	> 2 MW	☐	Universally applicable
KW 2923	☒	☒	☒	< 2 MW	☒	Adapted to the requirements of small systems
KW 2920	☒	☒	☒	> 2 MW	☒	Universally applicable for non-ferrous metal installations
KW 2930	☒	☒	☒	> 10 MW	☒	Reduction of hardness deposits; controlled m-value reduction
KW 2924	☒	☒	☒	> 2 MW	☐	No input of phosphate into the cooling water
KW 2970	☒	☒	☒	> 2 MW	☐	Protection against sulphate deposits, biodegradable



CLOSED SYSTEMS

INHIBITORS

	Hardness-stabilization	Corrosion inhibition	Dispersion of sludge and iron oxides	Mixed installations iron and copper	Properties
Heizan K 500	☒	☒	☒	☒	Additional protection against hardness deposits and incrustations
Heizan K 501	☒	☒	☒	☒	Highly effective with softened or demineralised water
Heizan K 510	☒	☒	☒	☒	Suitable for aluminium materials
Heizan K 520	☒	☒	☒	☒	Inhibited refill water for direct application
Heizan K 600	☒	☒	☒	☒	Corrosion inhibitor for oxygen-deficient circulating water
Heizan KI 290	☒	☒	☒	☒	Pure non-ferrous metal inhibitor, reinforced corrosion protection for copper



STEAM GENERATION

OXYGEN BINDING

	Oxygen binding	Steam volatile	Alkalization	Hydrazine-free	Properties
Oxycheck 6370	☒	☒	☒	☒	Corrosion protection of the steam line
Oxycheck 6385	☒	☒	☒	☒	Neutralization of free carbonic acid in the line
Oxycheck 6740	☒	☐	☐	☒	Suitable for food processing plants

HARDNESS STABILIZATION

	Hardness stabilization	Corrosion inhibition	Prevents scale formation	Disperses deposits	Alkalization	Properties
Heizan 5704	☒	☒	☒	☒	☒	Phosphate-free boiler operation
Heizan 5750	☒	☒	☒	☒	☒	Phosphate product for feed water < 30 µS/cm
Heizan 5760	☒	☒	☒	☒	☒	Phosphate product for feed water ≥ 30 µS/cm
Heizan 5765	☒	☒	☒	☒	☒	Very high alkalization of the boiler water

ALKALIZATION

	Steam volatile	Alkalization	Properties
Heizan 7645	☒	☒	Protects the steam path from corrosion; not suitable for copper installations
Heizan 7695	☒	☒	Neutralization of free carbonic acid

COMBINED PRODUCTS AS SEQUESTERING AGENT

	Oxygen binding	Steam volatile	Alkalization	Hardness stabilization	Corrosion inhibition	Properties
Heizan FC	☒	☐	☒	☒	☒	Very good sequestering properties
Heizan TC	☒	☒	☒	☒	☒	Suitable for technical applications; additional protection of the steam path



REVERSE OSMOSIS

ANTISCALANT

	Deposit prevention	Properties
Dispergo 8900	☒	UO systems < 1 m ³ /h permeate capacity
Dispergo 8910	☒	Universally applicable
Dispergo 8960	☒	Very high stabilization of barium sulphate
Dispergo 8980	☒	Very easily biodegradable

MEMBRANE CLEANER

	Chemical mode of action	Removes fouling	Removes scaling	Properties
WeClean MC 4000	Alkaline	☒	☐	High dissolving power for biological coatings
WeClean MC 4010	Acidic	☐	☒	Removes mineral deposits
WeClean MC 4012	Acidic	☒	☒	Additional biodispersator

DRINKING WATER INSTALLATIONS

	Hardness stabilization	Corrosion inhibition	Ready-to-use solution	Prevention of brown colouring	Properties
Wephos 5901	☒	☐	☐	☒	Reduction of existing incrustations
Wephos 5901	☒	☐	☒	☒	Reduction of existing incrustations
Wephos 5901	☒	☒	☐	☒	Additional protection of copper installations
Wephos 5901	☒	☒	☒	☒	Additional protection of copper installations

AUTOCLAVES

	Hardness stabilization	Corrosion inhibition	Food processing companies	Heavy metal-free	Properties
Stericheck 4550	☒	☒	☒	☒	Drip-off aid on the outer packaging

COOLANT

	Ready-to-use solution	Food processing plants	Monoethylene glycol	Monopropylene glycol	Corrosion inhibition	Nitrite-, phosphate- and amine-free
Wesol C	☐	☐	☒	☐	☒	☒
Wesol 35	☒	☐	☒	☐	☒	☒
Wesol FC	☐	☒	☐	☒	☒	☒
Wesol F 35	☒	☒	☐	☒	☒	☒



PROCESS WATER TREATMENT

FLOCCULANTS

	Precipitation-medium	Flocculants	Anionic	Cationic	Loading density	Properties
WeFloc 1200	☒	☐	N/A			Coagulant to form flakes
WeFloc SF1 BD	☒	☐	N/A			Liquid heavy metal precipitant
WeFloc 4000	☐	☒	☐	☒	high	Emulsion for flocculation of solids
WeFloc 4001	☐	☒	☐	☒	medium	Emulsion for flocculation of solids
WeFloc 4250	☐	☒	☒	☐	low	Emulsion for flocculation of solids
WeFloc 4251	☐	☒	☒	☐	medium	Emulsion for flocculation of solids
WeFloc 4754	☐	☒	☒	☐	medium	Powder polymer for flocculation of solids

DEFOAMERS

	Base	Silicone-free
WeClean AF 410	Dimethylpolysiloxane oil	☐
WeClean AF 420	Fatty acid polyglycol ether	☒
WeClean AF 430	Combination of fat derivatives and higher alcohols	☒
WeClean AF 470	Combination of non-ionic components	☒



PROCESS WATER TREATMENT

TECHNICAL DETERGENTS

	Industrial cleaner	Degradation of lime deposits	Rust remover	Colour indicator	Applicable for Fe and Cu	Applicable for Zn	Properties
WeClean 8001	☐	☒	☒	☐	☒	☐	Small device cleaning
WeClean 8002	☐	☒	☐	☒	☒	☐	Suitable for cleaning stainless steel materials
WeClean 8011	☒	☒	☒	☐	☒	☐	Not suitable for stainless steel
WeClean 8030	☒	☒	☒	☐	☒	☒	Mild cleaner for hardness deposits
WeClean 8040	☒	☒	☒	☒	☒	☒	Complexes iron compounds
WeClean 8060	☐	☒	☒	☐	☐	☐	For UV systems; not suitable for aluminium
WeClean 8065	☒	☒	☒	☐	☒	☐	Forms passive layers on ferrous materials
WeClean 8110	☐	☒	☒	☐	☒	☒	Reduces trivalent iron
WeClean 8300	☒	☒	☒	☒	☒	☒	In powder form
WeClean 8600	☒	☐	☐	☐	☒	☒	Surfactant-containing auxiliary and cleaning agent

NEUTRALIZING AGENT / PASSIVATION

	Deposition inhibitor	Colour indicator	Neutralization brine	Passivation solution
WeClean N BD	☐	☒	☒	☐
WeClean N Plus BD	☒	☐	☒	☐
WeClean NC	☐	☐	☒	☐
WeClean P BD	☒	☐	☐	☒