



Live it up.
Bubble it down.

Defoamers by ZSCHIMMER & SCHWARZ



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Defoamer - Products and recommended application fields

	CONTRIPON MD	CONTRIPON W-P	CONTRIPON S	CONTRIPON BD	CONTRIPON RT
Alkaline washing process TISSOCYL RLB	+		+		+
Anti-yellowing PROTELAN LGS		+			
Pad-Steam- Bleaching			+		
Econdye-process			+		
Vat dyeing			+	—	
Reactive dyeing	+		+	—	+
Cationic Dyestuffs			+		
Carpet dyeing (winch dyeing)	+			+	+
Pad thermosol dyeing	—				
Yarn dyeing / flock	+				+
Finishing / Coat- ing	+	+			+
Waste water treatment		+		+	
Electrolytes stability	very good	very good	outstanding	good	good
pH stability	2 – 10	2 – 10	1 – 14	4 – 10	3 - 13
Temperature stability	up to 130°C	up to 130°C	up to 145°C	up to 130°C	up to 130°C
Dilution	Separation!	Separation!	Separation!	Separation!	Separation!

The above results have been obtained from trials in our laboratory and plant. In the light of changing conditions they can only serve as a guide and are therefore offered without obligation.

The new **CONTRIPON MD** mineral oil defoamer

Competition



Typical mineral oil defoamer as offered by the competition
Separation of the product after a short time.

CONTRIPON MD



NEW developed mineral oil defoamer.
Shows very good defoaming properties and shelf life.
The product remains stable over many months!



CONTRIPON W-P - High concentrated silicone defoamer for universal use

- silicone oil based
- High concentrated product
- works in a wide pH and temperature range
- resists high shearing stresses
- easy to handle and easy to dilute
- free of mineral oil





CONTRIPON RT - mineral oil- and silicone-free defoamer for universal use

- fatty alcohol based
- high concentrated product
- works in a wide pH and temperature range
- easy to handle and easy to dilute
- free of mineral oil and silicone



CONTRIPON S - Modified silicone defoamer for extra stability

CONTRIPON S is based on organo groups modified silicones and has outstanding advantages compared to regular silicone antifoaming agents:

- very efficient and constant effectiveness
- very stable in a wide pH range
- very resistant against high temperatures
- stable against shear forces
- stable in applications with a high amount of electrolytes
- easy to dilute
- easy to handle
- pumpable
- because of its high conductivity ($> 1.000 \text{ mS}$) quite perfect for automatic dosage units
- will not separate while storing.



CONTRIPON BD - Biodegradable antifoam agent based on natural plant oil

Sustainable technology - Environmentally friendly

CONTRIPON BD is a silicone- and mineral oil **free** antifoam agent. More than 90% of the product is based on renewable raw materials. The main defoaming oil is a natural rape seed oil, that is easy to decompose in waste water treatment plants. This type of plant oil is also used in the food industry.

The combination with special emulsifiers and silicic acids makes the product nearly as powerful as a mineral oil defoamer.

Special benefits of CONTRIPON BD:

- easily biodegradable (> 80% after 28 days according to OECD 301F)
- based on renewable, natural plant oil
- silicone oil free
- mineral oil free
- high concentration (water free)
- stable in machines with high shearing forces (Jet dyeing machines)
- efficient in a wide pH range (pH 4 – 10)
- stable in a wide temperature range
- stable in high electrolyte concentrations
- easy to emulsify in cold and warm water

