

### 4.3 乳化助剂包/ 硼胺基, 半合成

产品 **Emulsifier EM 8115 N**

特性 **EM 8115 N** 是一款以硼酸和羧酸以及伯胺和叔胺为基础的乳化助剂包, 作为水溶性加工液的成分。该产品成分中含有杀菌剂和黄色金属抑制剂, 不含甲醛。

技术资料		典型 数值	规格 最小	最大	
颜色	:	黄色			
密度 20°C (g/ml)	:	0.966	0.956	0.976	DIN 51 757
pH 值 (1% 去离子水)	:	9.3			DIN 51 369
折射指数( $n_{D20}$ )	:	1.472	1.462	1.482	DIN 51 423-2
油含量(wt.%)	:	51			calculative

应用 该助剂包与 30-40% 比例的去离子水混合后, 会形成半透明到透明的乳化液。如果该助剂包与 40% 比例的水混合, 再添加 0.2% 的 EM 643, 这样所得乳液会具有优异的防锈性能, 以及广泛的耐硬水性。在软水环境中建议加入消泡剂。

存储 **EM 8115 N** 原装密封条件下在 15°C 到 30°C 之间可以安全存放至少 6 个月

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## EM 8115 N 参考配方

### Concentrates

	A	B	C
EM 8115 N	70.0 wt.%	65.0 wt.%	60.0 wt.%
Demin. Water	30.0 wt.%	35.0 wt.%	40.0 wt.%
EM 643 (if needed)	--	--	0- 0.2 wt.%
	<u>100.0 wt.%</u>	<u>100.0 wt.%</u>	<u>100.0 wt.%</u>

### Values of the concentrates

Stability (24 h/+10°C) :	stable
Stability (24 h/+40°C) :	stable

### Values of 5% Emulsion in water of 360 ppm hardness

	A	B	C
Appearance	transparent	transp./transluc.	transp./transluc.
Appearance after 24h	transparent	transp./transluc.	transp./transluc.
Emulsification	easy	easy	easy
pH-value	9.3	9.3	9.3
Foam breakdown time (360 ppm water hardness)	20 ml/<15 s	20 ml/<15 s	20 ml/<15 s
Foam breakdown time (90 ppm water hardness)	50 ml/ 35 min	50 ml/ 35 min	50 ml/35 min
Filterpaper chip corrosion-test			
3%	2	2	2
4%	1	1	1-2
5%	0	0	0

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