Delivering your potential.

BLUESTAR SILICONES

BLUESIL[™] SP 3304

Examples of	BLUESIL SP 3304 reduces surface tension to provide excellent wetting and promot
Examples of applications	spreading by forming a continuous monolayer across even hard-to-wet surfaces.
	As a result of these properties, BLUESIL SP 3304 can be beneficially employed in broa ranging applications:
	Coatings and Inks
	BLUESIL SP 3304 may facilitate the dispersion of pigments and wets critical substrates t improve the flow and levelling of water-based paints and inks.
	The low coefficient of friction of the silicone backbone of BLUESIL SP 3304 provides mar an scratch resistance.
	The organo-compatibility of BLUESIL SP 3304 means that it does not negatively affect inter-coat adhesion.
	Foam control
	BLUESIL SP 3304 acts as an antifoam in aqueous systems when used at temperatures abov its Cloud Point.
	The antifoaming activity of emulsified systems is commonly boosted by the addition of BLUESIL SP 3304 .
	The reduction of entrained air is promoted by the de-aeration activity of BLUESIL SP 330 thanks to its specific composition and surface activity.
	BLUESIL SP 3304 may be used as a foam control agent in non-aqueous systems that an prone to contamination by water.
	Release and lubrication
	BLUESIL SP 3304 is an efficient lubricant, particularly between plastic or rubber and meta which can be conveniently applied in aqueous dispersion.
	Thermoplastics and thermosets have smooth surfaces after demoulding using BLUESIL S 3304 thanks to its ability to cover surfaces uniformly and benefiting from its foam contro activity when applied in aqueous formulation.
	The hydro- and organo-compatibility of BLUESIL SP 3304 makes molds easy to clean an leaves molded surfaces over-coatable for painting, gluing, etc.
	Maintenance and cleaning
	BLUESIL SP 3304 is beneficial to maintenance products like cleaners and polishes by helping to homogenise their formulations and by promoting their intimate and uniform coverage of treated surfaces.
	The wetting of surfaces, combined with its hydro-compatibility, enables BLUESIL SP 3304 to be used as an anti-fog and, in the presence of humidity, its hygroscopicity boosts the anti-stat benefit of its lubricant action.
	Surfaces treated with BLUESIL SP 3304 have a non-sticky, non-oily touch.

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Examples of applications (cont')	 Fabric Care BLUESIL SP 3304 is effectively a post-wash fabric conditioner, imparting easy ironing by lubricating between the fabric and the metal of the iron. Via inter-fibre lubrication, BLUESIL SP 3304 may improve the drape of clothes and, being hydrophilic, their comfort to wear. BLUESIL SP 3304 must be applied to largely dry fabrics post-wash, not during the wash, rinse or conditioning cycles in machines or during hand washing. 		
Advantages	 Non-ionic surfactant with low surface tension. Wetting and spreading agent. Foam control agent. Lubricant for rubber and plastic. Release agent. Hydrophilic. Anti-stat. Anti-fog. Anti-tack agent. Soluble in water, alcoholic and hydroalcoholic solutions. Organic compatibility. Hydrolytically and chemically stable. 		
Characteristics	Properties	BLUESIL SP 3304	
	-	aloor liquid	
	Appearance	clear liquid	
	Colour	yellowish	
	Viscosity (at 25°C, mm ² /s, approx.)	1 700	
	Specific gravity (at 25 °C, approx.)	1.03	
	Cloud point (°C, approx.)	40	
Processing	 BLUESIL SP 3304 is completely water soluble at temperatures below its cloud point. At higher temperatures, the product will 'cloud-out' in a temperature reversible manner. BLUESIL SP 3304 is generally used in concentrations that range from tenths to single-digits % depending on the application. 		
Packaging	BLUESIL SP 3304 is supplied in 200 kg drums.		
Storage and shelf life	When stored in its original packaging at a temperature of between 0°C and + 50°C, BLUESIL SP 3304 may be stored for up to 24 months from its date of manufacture. Comply with the storage instructions and expiry date marked on the packaging. Beyond this date, Bluestar Silicones no longer guarantees that the product meets the sales specifications.		
Safety	Consult the Safety Data Sheet for BLUESIL SP 3304.		

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