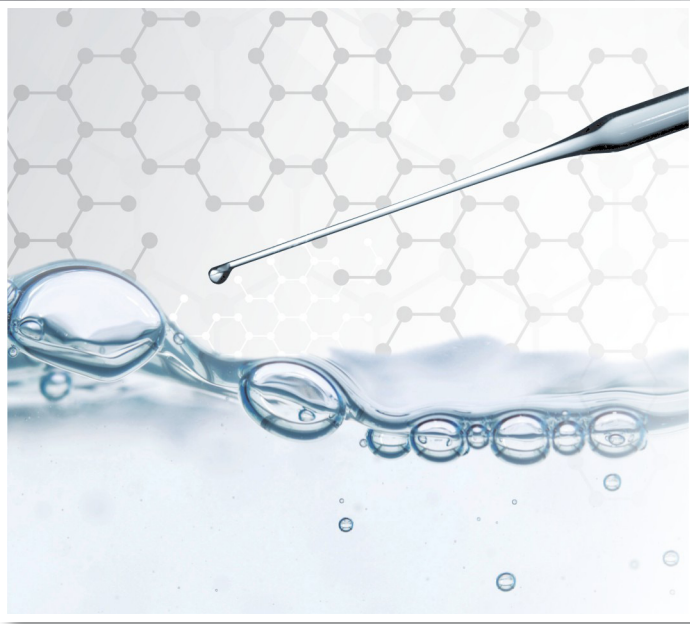


BIO-SIL

Antifoams & Emulsions



BIO-SIL PE50

Printers Anti-static Emulsion

TECHNICAL DATA SHEET

Rev.4 Date: 18/08/2022

PRODUCT DESCRIPTION

BIO-SIL PE50 is a cationic 50% emulsion of polydimethylsiloxane and wax, with a built in anti-static additive. It is primarily formulated as a lubricity aid and anti-smearing additive for offset printing machine and folding bars (correct dilution ratio dependent). BIO-SIL PE50 exhibits excellent stability and performance over wide pH and temperature ranges. Unlike 100% active, oil based release agents, BIO-SIL PE50 is non-tacky and easily removed by use of detergents and solvents. The good surface wetting, slip and anti-static properties are unaffected by the addition of water. BIO-SIL PE50 has enhanced slip performance over purely silicone based emulsions and its low viscosity allows for ease of use with automated dosing systems.

COMMON AREAS OF USE

- Print Industry where static is a problem
- Conveyer belts where high tack and static is undesirable
- Newspaper printing and folding
- Where excellent lubricity in offset printing is required
- Magazine printing and folding

TYPICAL SPECIFICATIONS

Appearance	Off white – milky
Active Silicone content [%]	50
*Specific Gravity [@ 20°C]	0.98 – 1.00
*pH range	4.0 – 6.0
Base fluid viscosity (cSt) at 25°C	350
Surfactant	Non-Ionic
Additives	Cationic
*Viscosity at 25 °C [Mpas]	<300
Packaging	25Kg Pail 200Kg Drum 1000Kg Tote

*Typical product data values should not be used as specifications

PLEASE NOTE

- Testing before formulating should be carried out as systems vary.
- Material Safety Data Sheets are available upon requests.
- The shelf life period without testing is 12 months from date of manufacture, if stored in the original unopened container at 2°C to 39°C.
- Emulsions have the tendency to separate when stored for extended periods; this does not indicate shelf life failure, after mild agitation this emulsion will still perform effectively.

LEGAL DISCLAIMER: Each user bears the full responsibility for making its own determination as to the suitability of Supplier material, products, services, recommendations or advice for its own particular purposes. Each user must identify and perform test and analysis sufficient to assure its finished parts will be safe and suitable for use under end-use conditions. Because actual use of products by the user is beyond the control of Supplier, such use is within the exclusive responsibility of the user, and supplier cannot be held responsible for any loss incurred through incorrect or faulty use of the products. Further, no statement contained herein concerning a possible or suggested use of any material product, service or design is intended or should be construed to grant any license under any patent or other intellectual property right of Supplier or any of its subsidiaries or affiliated companies, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.



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