

# MSP-2

SBQ type Solvent resistant, thick stencil emulsion



**MURAKAMI CO., LTD.**

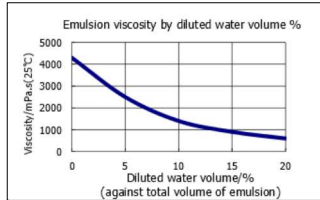
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URL <http://www.murakami.co.jp/english/index.html>

## Features/Application

- One pot presensitized emulsion, ready-to-use. No diazo required
- **Easy to build Thick Stencil by wet on wet coating**
- High resolution emulsion for reproduction of fine line and details
- **Excellent resistance to solvent and superior durability**
- Fast exposure emulsion
- High solid contents, Easy to build thick stencils
- Suitable for solvent based or UV inks

## Specifications

- Viscosity: Approx. 4,000mPa·s(25°C)
- Solid Contents: Approx. 43%
- Packaging Standards: 1kg set, 5kg set  
※Contact us for custom packaging.



## Solvent Resistance Rating

Solvent	Rating	Solvent	Rating
Water	Poor	Methyl Cellosolve	Fair
Toluene	Good	Isophoron	Excellent
Acetone	Fair	Ethylene Glycol Dimethyl Ether	Fair
Ethyl Acetate	Good	Isopropyl Alcohol	Good
Butylcellosolve	Excellent	Methyl Ethyl Ketone	Fair
N-Methyl Pyrrolidone(NMP)	Poor	Butyl Carbitol Acetate	Excellent
Butylacetate	Good	Terpineol	Excellent
Cyclohexanone	Good	Methanol	Poor

※24hours swelling/absorption test results.

## Instructions

- Wash, degrease and dry screen mesh. Remove grease and foreign contaminants with MSP cleanser.
- Coat emulsion slowly in order to prevent air bubbles.
- Dry coated screen completely before exposure. Drying temperature up to 40°C(104°F).
- Avoid excessive temperature for drying screens.

## [Remarks]

- Keep the emulsion in a cool and UV light safe area.
- Recommended to filter remaining emulsion with screen mesh before pouring it back into the container to remove any dust, foreign substances and air bubbles.

## Exposure Data

Screen mesh, Color	E.O.M. (μm)	3kW Metal Halide lamp 100cm UV42 intensity: 12mW/cm <sup>2</sup>
Polyester 31/cm (80/inch) W	100	120~140 sec
	250	210~240 sec
	300	300~360 sec
Polyester 59/cm (150/inch) W	15	20~30 sec
Polyester 100/cm (250/inch) Y	15	30~40 sec
Stainless steel 200/inch-40φ	15	15~20 sec

※The above is for guideline purposes only.

Please use a gray scale exposure calculator to identify the optimal time.

## SEM

