

SP-9500

Dualcure type emulsion for fine graphics & nameplates & ceramics



MURAKAMI CO., LTD.

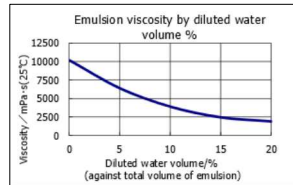
◆ 5-3-10 Yokokawa, Sumida-ku, Tokyo Japan
URL <http://www.murakami.co.jp/english/index.html>

Features/Application

- Excellent resistance to solvents ensure printing durability.
- High resolution emulsion for reproduction of detailed and fine images.
- Possible to reclaim.
- Low-stick & smooth surface.
- Suitable for fine line graphic image, PCB patterns, nameplate and ceramic tiles.
- Suitable for solvent based inks, UV inks and UV water based inks.

Specifications

- Viscosity: Approx. 10,000mPa·s(25°C)
- Solid Contents: Approx.36%
- Packaging Standards: 1kg, 5kg, 200kgs
※Contact us for custom packaging.



Solvent Resistance Rating

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

※24hours swelling/absorption test results.

Instructions

- Wash, degrease and dry screen mesh. Remove grease and foreign contaminants with MSP cleanser.
- Dissolve provided diazo with 10% water to emulsion volume. Please do not use warm water.
- Pour diazo solution into emulsion. Mix it well. Prior to a use, let mixed emulsions settle for one day.
- Or for immediate use, filter it with screen mesh 100/cm or higher.
- Coat emulsion slowly in order to prevent air bubbles.
- Dry coated screen completely at temperatures up to 40°C(104°F) before exposure.

[Remarks]

- Keep the mixed emulsion in a cool and UV light safe area. Use mixed emulsion within 2 weeks.
- 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 UV42 intensity: 12mW/cm ²
Polyester 79/cm (200/inch) W	15	150~180 sec.
Polyester 100/cm (250/inch) Y	15	180~210 sec.
Polyester 100/cm (250/inch) W	15	120 ~150 sec.
Polyester 120/cm (300/inch) Y	10	120~150 sec.

* The above is for guideline purposes only. Please use a grayscale exposure calculator to identify optimal exposure time.

SEM

