

Photocure PRO

HOJA TECNICA



PREPARACION DE MALLA

Mesh Preparation

Es importante remover todo contaminante, residuos de tinta, químicos de limpieza, en general polvo o suciedad. El removedor de fantasmas 701 de Murakami (no cáustico – soluble al agua) removerá residuos de tinta y/o emulsión. El desengrasante de pantallas Murakami 801, lo ayudará a eliminar todo tipo de contaminante, seque completamente el lado de la pantalla antes de emulsionar.

It is important to remove any contamination, residual inks, cleaning chemistry, or general dirt and dust. Murakami 701 Haze/Ghost Remover (a non-caustic water soluble liquid) will remove residual ink and or emulsion. Murakami 801 Screen Degreaser will help eliminate any further contaminants. Completely dry the screen before coating.

PROCEDIMIENTO DE EMULSIONADO

- Coating Procedure

- Use un emulsionador limpio para obtener una capa suave en la superficie.

Use a clean dry coating trough that has a nick free surface for smooth coating.

- Aplique una o dos capas de emulsión del lado de impresión. Gire el marco 180 grados y aplique una o dos capas de emulsión del lado de la squeegee

Apply one or two coats of emulsion to the print side. Rotate the frame 180 degrees and apply one or two coats of emulsion to the squeegee side.

- Si requiere mayor grosor, deberá aplicar más capas de emulsión por el lado de la pantalla.

Additional coats may be added to the print side if thicker stencils are required.

SECADO - Drying

Seque la pantalla emulsionada horizontalmente con el lado de impresión hacia abajo dentro de una área con luz de seguridad. La siguiente información le ayudará a asegurar el completo secado:

Dry the coated screen horizontally with the print side down in a clean light safe area. The following will help to ensure complete drying:

- 86° a 104° grados F (30° a 40° C)

86° to 104° degrees F (30° to 40° C)

- 30% a 50% de humedad relativa.

30% to 50% relative humidity.

- Buena circulación de aire.

Good air circulation.

El uso de una cabina de secado con circulación de aire caliente puede ayudar mantener estas condiciones.

The use of a screen drying cabinet with heated airflow can help in maintaining these conditions.

APLICACIONES - Applications

Emulsiones para un curado Premium, para Discharge y sistemas de tintas en base agua.

Premium Dual Cure emulsion for Graphics, Plastisol, Discharge and Water-based textile Ink systems.

PROPIEDADES FISICAS - Physical Properties

- Emulsión de Color Azul para curar directamente.

Blue colored dual cure direct emulsion.

- Para ser usada con plastisoles y sistemas de tintas en base agua.

For use with plastisol and water-based textile ink systems.

- Virtualmente libre de agujeros de alfiler y ojos de pescado.

Virtually pin hole and fish eye free.

- Extremadamente resistente en producción.

Extremely durable on press.

- Compatible para usarse en tintas base agua cuando se aplican los endurecedores de Murakami.

Suitable for use with water based inks when hardened with Murakami Hardeners.

- Propiedades de resolución y definición por encima de los estándares.

Outstanding resolution and definition properties.

- Contenido de sólidos del 38%.

38% solids content.

MANEJO - Handling

Úsese con luz de seguridad amarilla. Evite la exposición al luz de día, fluorescente y/o incandescente.

Handle under yellow safelights. Avoid exposure to sunlight, fluorescent and incandescent lights.

SENSIBILIZADO - Sensitizing

Combine el sensibilizador como lo indican las instrucciones del bote. Vierta la solución completamente en la emulsión y mezcle completamente. Para reducir las burbujas de aire producidas por la mezcla, deje la emulsión por un tiempo de dos horas (preferentemente por la noche) antes de usar.

Mix the sensitizer according to the instructions on the bottle. Pour the entire solution into the emulsion and mix thoroughly. To reduce air bubbles let the emulsion stand for two hours (preferably overnight) before using.



MURAKAMI

MURAKAMI SCREEN USA, INC. 745 Monterey Pass Rd. Monterey Park, CA 91754

TEL: 323.980.0662, FAX: 323.980.0659 www.murakamiscreen.com

Photocure PRO

Photocure PRO

Photocure PRO

Photocure PRO



EXPOSICION - *Exposure*

Limpie los positivos y el cristal de su máquina de exposición antes de proceder con el revelado, esto ayudará a reducir las imperfecciones. La exposición se puede ver afectada por el color de la malla, tipo de emulsión, grosor de la capa de emulsión, tipo y edad de la lámpara. Para mejores resultados use una calculadora de exposición. Es importante que la lámpara sea diseñada para la exposición de este tipo de emulsiones.

Clean the film positives and vacuum frame glass prior to exposure to minimize pinholes. Exposure is affected by mesh color, emulsion type, coating thickness, lamp type and the age of the bulb itself. For best results use an exposure calculator to determine the correct exposure time. It is important that a lamp designed for exposing screen printing emulsions is utilized.

Nota: El uso de los positivos que tienen densidad negra débil puede reducir la resolución y calidad de la definición de la pantalla emulsionada.

Note: The use of film positives that are either frosted or have weak black density can reduce resolution and definition qualities of the coated screen.

Hilos/cm <i>Mesh/cm</i>	Color <i>Color</i>	Segundos <i>Seconds</i>
34	W	130-150
43	W	120-140
79	Y	110-130
120	Y	75-90
140	Y	55-70

Nota: Todos los tiempos de exposición enumerados arriba se sugieren usando una lámpara Metal Halide de 5KW en una distancia de 40".

Note: All exposure times listed above are suggested times using a 5KW Metal Halide lamp at a distance of 40".

DESTAPADO - *Washout*

Rociar suavemente ambos lados de la pantalla con agua tibia, espere algunos segundos para permitir que la emulsión se ablande entonces lave el lado de la impresión de la pantalla hasta que la imagen esté completamente abierta. Limpie ambos lados y seque considerablemente. El uso de una cabina de secado o de ventiladores se recomienda para secar la pantalla.

Gently spray both sides of the screen with lukewarm water, wait a few seconds to allow emulsion to soften then wash print side of screen until image is fully open. Rinse both sides thoroughly and dry. The use of a drying cabinet or fans is recommended to dry the screen.

RECUPERADO - *Reclaiming*

- Use limpiador de pantallas de Murakami 501, 505 o 507 para remover todo el exceso de tinta del marco.

Use Murakami 501, 505 or 507 Screen Cleaner to remove all excess ink from the frame.

- Remueva la emulsión con Murakami 601, 605, o con Strip Super-P. Limpie a fondo.

Remove the emulsion with Murakami 601, 605, or a solution of Strip Super-P. Rinse thoroughly.

- Use Murakami 701 para remover fantasmas de ser necesario.

Use Murakami 701 to remove haze and ghost if required.

- Desengrase con Murakami 801, lave a fondo ambos lados y deje secar.

Degrease with Murakami 801, rinse both sides thoroughly and let dry completely.

ALMACENAJE Y MANEJO

- Storage and Handling

Almacenar la emulsión en un área seca fresca. La vida útil de las emulsiones, Murakami SP-7500, es hasta un año cuando está almacenada en la temperatura ambiente. No permitir que la emulsión se congele.

Store the emulsion in a cool dry area. Un-sensitized emulsion has a shelf life of at least one year when stored at room temperature.

Use la emulsión que ya fue sensibilizada, durante las siguientes 2 o 3 semanas para mejores resultados.

Use the sensitized emulsion within 2-3 weeks for best results.

Las pantallas emulsionadas se pueden almacenar hasta seis meses cuando están guardadas bajo las siguientes condiciones.

Coated screens may be stored for up to one month when kept under the following conditions.

- 59° a 77° grados F (15° a 25° C)

59° to 77° degrees F (15° to 25° C)

- 30% a 50% de humedad relativa.

30% to 50% relative humidity

APLICACIONES ESPECIALES

- Special Applications

Conveniente para el uso con tintas a Base de agua y Discharge cuando está endurecido con el endurecedor de Murakami y/o las pantallas tratadas con el endurecedor A&B no serán recuperables.

Suitable for use with water based and discharge inks when hardened with Murakami Hardener and/or Hardener A&B. Stencils treated with Hardener A&B may not be reclaimable.



MURAKAMI

MURAKAMI SCREEN USA, INC. 745 Monterey Pass Rd. Monterey Park, CA 91754

TEL: 323.980.0662, FAX: 323.980.0659 www.murakamiscreen.com

EMERGENCY INFORMATION
INFOTRAC
800.535.5053

MATERIAL SAFETY DATA SHEET

Date Prepared/Revised: April 25, 2006

I. PRODUCT IDENTIFICATION

Trade Name (as labeled): **PHOTOCURE PRO**
MANUFACTURERS NAME:
MURAKAMI SCREEN U.S.A., INC.
745 Monterey Pass Road
Monterey Park, CA 91754
PHONE NUMBER: 800-562-3534

II. HAZARDOUS INGREDIENTS

	CAS NO.	% RANGE	PPM
Vinyl Acetate	108-05-4	0.1-0.3%	<10PPM

All ingredients of this product are listed under the TSCA INVENTORY

III. HEALTH HAZARD INFORMATION

TOXICOLOGY

Threshold Limit Volume: Vinyl Acetate: 10 PPM (1991-1991 ACGIH TWA)

Inhalation: Excessive exposure is not likely to be hazardous. Excessive exposure may cause irritation to the upper respiratory tract.

Skin Contact: Excessive exposure may cause minor irritation.

Eye Contact: May cause eye irritation. May cause moderate corneal injury.

IV. FIRST AID PROCEDURES

Never give fluids or induce vomiting if patient is unconscious or having convulsions. Medical conditions aggravated by exposure may be pre-existing skin or other physical conditions.

Ingestion: Induce vomiting if large amounts are ingested. Contact a physician.

Eye: Flush with flowing water immediately and continuously for at least 15 minutes. Contact a physician if irritation persists.

Skin: In case of contact, immediately flush skin with plenty of water and remove contaminated clothing and shoes. Contact a physician if irritation persists. Wash clothing before reuse. Destroy contaminated shoes.

Inhalation: None

NOTE TO PHYSICIAN: No specific antidote. Supportive Care: Treatment based on judgment of the physician in response to the reactions of the patient.

V. SPILL, LEAK, AND DISPOSAL PROCEDURES

PHOTOCURE PRO

Steps to be taken in case of spills or leaks:

Spillage should be contained by, and covered by large quantities of sand, earth, or similar absorbent material, then brushed in vigorously to assist absorption. The mixture can then be collected with a plastic shovel into drums or plastic bags or containers and removed for disposal. Prevent from flowing into ground or surface water.

Disposal: Follow all relevant regulations for disposal. Check with your local authority.

Storing: Store closed containers in a well ventilated area. Do not store in sunlight.

NOTE: Dispose of all waste material in accordance with federal, state, and local authorities.

VI. PHYSICAL PROPERTIES

Specific Gravity @ 77°F (25°C): 1.2 Boiling Point: 100°C
Viscosity @ 77°F (25°C): 9000-13000 cps pH Value: 5.5-6.5
Appearance and Odor: Milky light blue liquid with slight odor.

VII. FIRE AND EXPLOSION

Flash Point / Method: Not Flammable

Appropriate Extinguishers: Use water spray, foam, dry chemical, and CO2.

VIII. REACTIVITY DATA

Stability: Stable under normal conditions.

Conditions to Avoid: Heat and exposure to sunlight.

IX. SPECIAL HANDLING PROCEDURES

Ventilation and engineering controls: None required. Local exhaust ventilation may be necessary for some operations.

Respiratory Protection: None required under normal conditions. If respiratory irritation is experienced, use an approved respirator. Use an approved self contained breathing apparatus if emergency conditions occur.

Eye Protection: Use safety glasses.

Gloves: Use vinyl or other protective gloves to prevent skin contact.

Storage: Protect from freezing.

X. REPORTING REQUIREMENTS AND ADDITIONAL INFORMATION

HIMS Code System Rating: Health 1; Flammability 0; Reactivity 0.

NFPA 704 Code System Rating: Health 0; Flammability 0; Reactivity 0.

Volatile Organic Compound (VOC): None.

Contains no carcinogen or petroleum hydrocarbons.

Note: Information herein is given in good faith and accurate to the best of our knowledge. No warranty is given, expressed, or implied.