



# PLUS CTS L

Projection Speed, Pre-Sensitised Photopolymer Emulsion

## DESCRIPTION

---

PLUS CTS L is an ultra fast exposing, blue pigmented photo-polymer based direct emulsion.

## APPLICATIONS

---

PLUS CTS L has been formulated for large format graphics applications using solvent based and UV curing inks. PLUS CTS L can be exposed using either a conventional contact exposure or DMD CTS exposure system.

## WORKING INSTRUCTIONS

---

Unlike conventional diazo sensitised emulsions, PLUS CTS L does not require sensitising prior to use.

### SAFE LIGHT WORKING

PLUS CTS L is extremely sensitive to UV light and will 'fog' easily unless handled under good yellow safe light conditions. Similarly, coated screens must be handled under the same safelight conditions. Always store the product in original container, replacing lid after use.

## SAFE LIGHT WORKING

---

### MESH PREPARATION

Unused Polyester/Nylon  
Used Polyester/Nylon

Alkemi Autoprep Gel and Alkemi Universal Mesh Prep  
Alkemi Universal Mesh Prep or Alkemi Degreaser Concentrate 1:10

## COATING & DRYING

---

PLUS CTS L is intended for medium to fine mesh counts, between 90 and 165 threads/cm. For CTS applications it is recommended that white mesh is used for optimum through-cure; however dyed mesh can also be used, but a longer exposure time will be required.

1. Apply coatings to print side first followed by squeegee side, in order to achieve required profile.
2. The screen should be dried at a maximum temperature of 30°C (86°F). Take care to store the screen under dark or yellow light conditions.
3. The screen must be fully dried to ensure good exposure performance. If the screen has been stored outside of the drying cabinet it is good practice to re-dry prior to exposure to remove any moisture that may be in the coating.



By MacDermid Graphics Solutions

## EXPOSURE

---

CORRECT EXPOSURE IS ESSENTIAL FOR OPTIMUM STENCIL PERFORMANCE. UNDEREXPOSURE WILL GIVE A WEAK STENCIL AND REDUCE RESISTANCE.

Exposure times will be dependent on the particular exposure or CTS unit used, mesh count and coating thickness.

The Alkemi Exposure Calculator can be used for determining the correct exposure time on a contact exposure unit, if using a CTS unit then use the CTS manufacturer's recommended method.

## MESH PREPARATION

---

Wash out the screen from both sides with a strong spray of water. Continue the washout until all parts of the image appear clean and sharp. Dry at a maximum temperature of 30°C (86°F).

Spot out blemishes with Alkemi Regular Filler

## STENCIL REMOVAL

---

Remove ink from the screen with Alkemi Screen Wash. Apply Alkemi Autostrip to both sides of the screen. Leave standing for 5 minutes. The stencil can then be removed with a strong water jet or high pressure stripper. If a stain or ghost image still remains, use Alkemi Haze Remover HV or Alkemi Quick Haze.

## HAZARDS

---

The emulsion is non-classified and there are no hazards associated with the normal use of this product. However, the product contains very small amounts of Chloromethylisothiazolinone and Chloracetamide (biocides), which may produce an allergic reaction in some individuals. Splashes in the eyes may be irritating and very sensitive skin may need to be protected. Wear gloves and goggles as appropriate.

## FIRST AID

---

**Eyes:** Irrigate with water for 10 minutes.

**Skin:** Wash thoroughly.

**Ingestion:** Dilute with water and get medical advice.

## DISPOSAL

---

Small quantities can be washed to foul waste with dilution. Larger quantities should be disposed of by an authorised industrial waste chemical contractor.

## STORAGE

---

The emulsion should be stored between 3° and 20° C ( 37-68° F). Shelf life is 2 years when stored as recommended. Storage at higher temperatures will reduce shelf life.

## PACKAGING

---

PLUS CTS L is sold in sealed plastic containers. Trade packs of 4 x 4 Litres and 1 x 200 Litres.



By MacDermid Graphics Solutions



## SAFETY & WARNING

MacDermidConnect recommends that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use.

**Safety Data Sheets are available from MacDermidConnect**

## WASTE TREATMENT

Prior to using any recommendations or suggestions by MacDermidConnect for waste treatment, the user is required to know the appropriate local/state/federal regulations for onsite or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.

## CONTACT INFORMATION

To confirm this is the most recent issue, please contact MacDermidConnect.

<b>North America</b> 777 108th Ave NE Suite 1750 Bellevue WA 98004 +1 888-910-1008 orders@macdermidconnect.com	<b>Europe</b> Weg der Verenigde Naties 1 3527 KT, Utrecht NL +31 (0) 304 100 530 orderseu@macdermidconnect.com	<b>Asia</b> MacDermid Technology (Suzhou) CO., Ltd 23 Long Tan Road, Suzhou Industrial Park, Jiansu Province, PRC +86 (0) 512 88181201 autotype-asia@macdermid.com
----------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE.

DISCLAIMER: All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. No statement or recommendation shall constitute a representation unless set forth in an agreement signed by officers of seller and manufacturer. NO WARRANTY OR MERCHANTABILITY OF WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. The following warranty is made in lieu of such warranties and all other warranties, express, implied, or statutory. Products are warranted to be free from defects in material and workmanship at the time sold. The sole obligation of seller and manufacturer under this warranty shall be to replace any product defective at the time sold. Under no circumstances shall manufacturer or seller be liable for any loss, damage, or expense, direct or consequential, arising out of the inability to use the product. Notwithstanding the foregoing, if products are supplied in response to a customer request that specifies operating parameters beyond those stated above, or if products are used under conditions exceeding said parameters, the customer by acceptance or use thereof assumes all risk of product failure and of all direct, indirect and consequential damages that may result from use of the products under conditions, and agrees to exonerate, indemnify and hold harmless MacDermid Incorporated therefrom. No suggestion for product use nor anything contained herein shall be construed as a recommendation to use any product in infringement of any patent rights, and seller and manufacturer assume no responsibility or liability for any such infringement.

® Registered Trademark of MacDermid Performance Solutions. ™ Trademark of MacDermid Performance Solutions.

© Platform Specialty Products Corporation and its subsidiaries 2016.

