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The Additive for Waterbase Inks  
**Auxiliary Chemicals**



**PRINTWORK**  
Screen Printing Supplies  
General Merchandise and Services

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WATERBASED AUXILIARY CHEMICALS  
*Additives & Chemicals*



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## **ADDITIVES AND CHEMICALS**

**These are chemicals or additives that may be used with the inks or during the Screen printing process for efficiency.**

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## REDUCER CT

Distributed by:



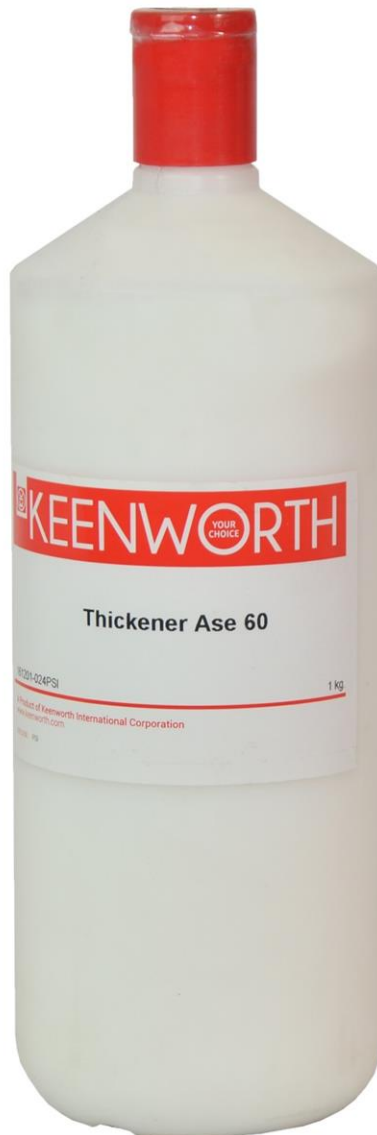
- a.) Reducer CT** – diluting agent for all types of water base ink. Just add 2-3% on the base to achieve lower viscosity. It also significantly reduce clogging, pin holes of print and does not cause off shade of print nor does it cause tackiness on the ink.

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## THICKENER ASE 60

Distributed by:



- b.) Thickener ASE 60** – if the ink becomes watery, this product is used to help increase the viscosity of all types of waterbase inks. Simply add 2-3% on the ink and mixed thoroughly until viscosity of ink becomes thick.

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## **BINDER F50**

Distributed by:



**c.) Binder F50** – one of the ingredients or chemicals used to make your own extender base.

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## FIXER MR 15 CONC.

Distributed by:



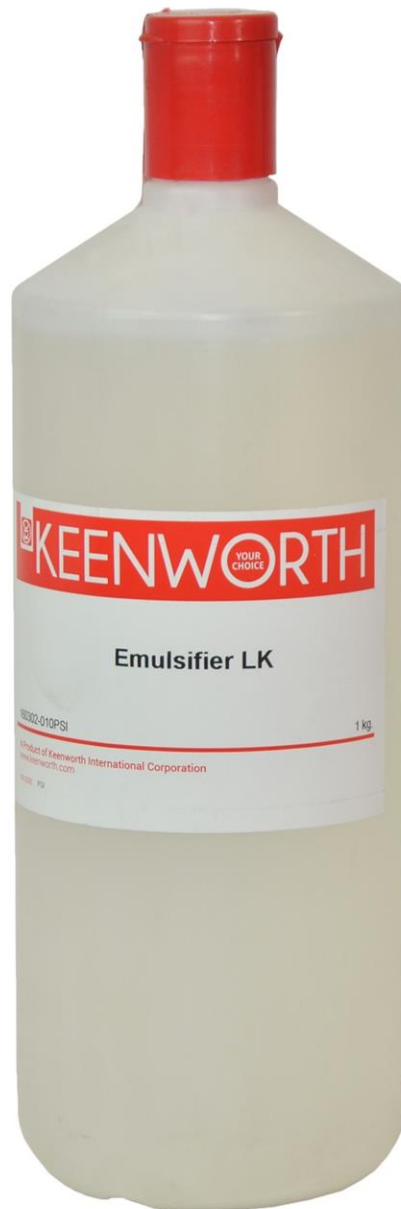
- d.) Fixer MR 15 CONC** – may be added on all types of waterbase inks to further improve adhesion of ink on the fabric especially sportswear/Polyester type of fabric. By using this product, it will improve the quality of print and washing fastness. Just add between 0.5 to 1% only on the base. **An important reminder**, inks already mixed with Fixer MR15 CONC must be consumed within 24hrs.

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## EMULSIFIER LK

Distributed by:



**e.) Emulsifier LK** – chemical that binds water and gas. It is also one of the ingredient or chemical to make your own extender base.



## PHOTO FLASH 300 E

Distributed by:



- f.) Photo Flash 300** – also known as photo emulsion or stencil suitable mostly for waterbase ink. It is a high resolution type of emulsion that can capture accurately all details of the design including tonal/CMYK print. It is advised to use a good source light or exposure unit to help maximize and achieve quality stencil output.





## PHOTO FLASH SR

Distributed by:



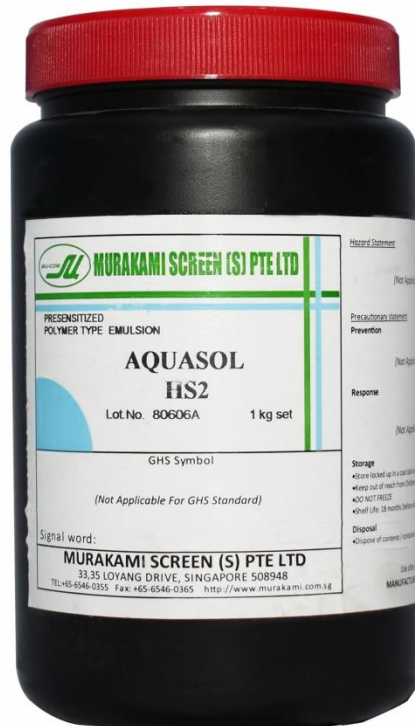
- g.) Photo Flash SR** – photo emulsion for solvent inks like Keenplas Inks, Vinyl Inks, Nylon Inks, Two Pack, Single Pack, PPE inks and more. It is a High resolution type of Photo emulsion which can capture all details even up to hairline details. It is advised to use good source light or exposure unit to help maximize and achieve a quality stencil output.

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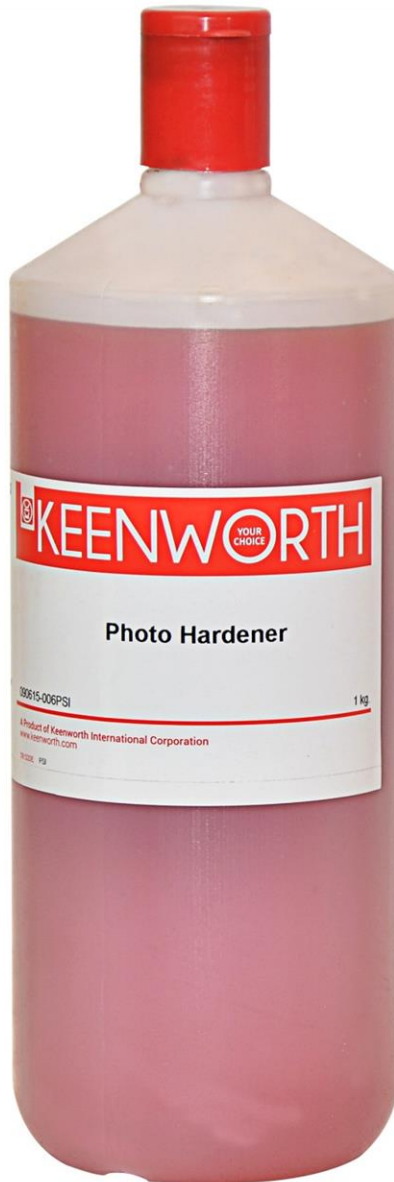
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## AQUASOL HS2 HIGH DENSITY EMULSION

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- h.) AQUASOL HS2** – a high density type of photo emulsion suitable for Keenplas Inks/Plastisol inks and other high density inks. It is advised to use a high wattage source light of at least 1000 watts or more or vacuum exposure unit to help capture a quality and thick stencil output. One must apply several coats to achieve the desired thickness or microns of the stencil.



## PHOTO HARDENER

Distributed by:



- i.) **Photo Hardener** – this chemical is applied to strengthen the stencil made for waterbase type of stencil such as Photo Flash 300 in order to extend the life of stencil during mass production



## TABLE ADHESIVE GLUE CONC.

Distributed by:



- j.) Table Adhesive** – apply thinly on screen printing table or pallet to minimize movement of fabric being printed. Since this is concentrated type of adhesive, one has to dilute with 30% to 50% water. Make sure to let adhesive dry before placing fabric.





## STENCIL REMOVER

Distributed by:



- k.) Emulsion Remover or Stencil Remover 10gms** can be used if one wishes to reclaim the screen. Recommended mixture is 1 Liter of water for every pack for new stencils. However, if the stencils to be reclaimed are old stocks then we advise to reduce the water to 500ml or even less.

**Direction:** Dissolve powder or chemical into the water. Then using sponge or old toothbrush, apply circular motion on the screen with stencil remover solution. However, for several screen to be reclaimed, set up a container that would fit the frames and soak consecutively. Let stand for about Five(5) minutes then apply strong water pressure on the screen to remove stencil.

NOTE: **DO NOT** allow the chemical to dry up on the screen once it is applied, or soak for more than Ten (10) minutes otherwise this will make the stencil even harder to reclaim.





## GHOST AND HAZE REMOVER

Distributed by:



I.) **Ghost and Haze Remover**- to totally clean remaining haze or image of used/ old stencil or to remove stencil with Photo hardener.

**Direction:**Wet the screen with water, use sponge or spatula and apply thinly on both side of the screen with Ghost and haze remover. Let it stand for 5-8 minutes more or less for stencil without Photo hardener or 10-15 minutes more or less for stencil with photo hardener, Then spray with high pressured sprayer.

**Note:** It is the discretion of the user to determine the ideal time as this will depend on the kind of stencil used. **WEAR GLOVES to protect skin.**

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## CHLOROTHENE

Distributed by:



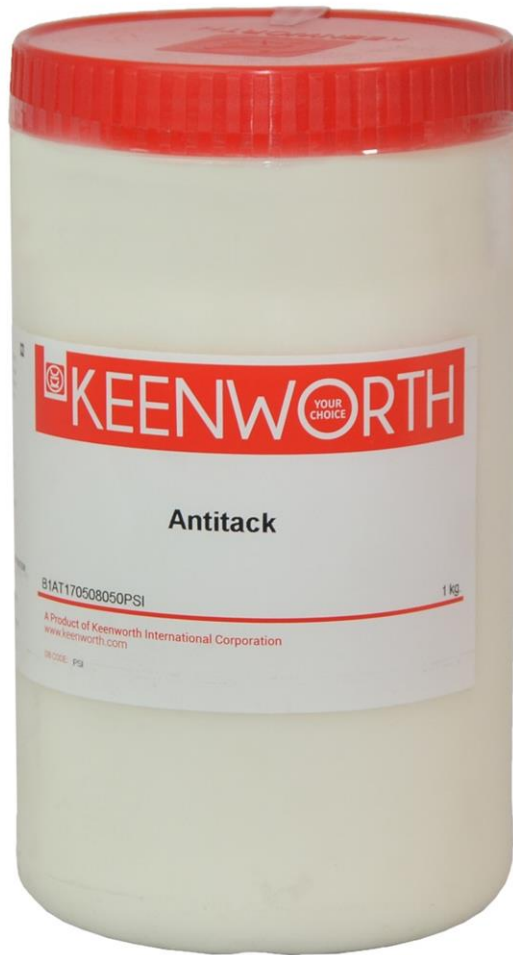
**m.) Chlorotene-** stain remover chemical. It removes unwanted stain on fabric. Spray gun is recommended as tool to efficiently remove stains with the Chlorotene. Apply Chlorotene on stained area, leave for about Five(5) minutes then spray with high pressured water to remove stains.

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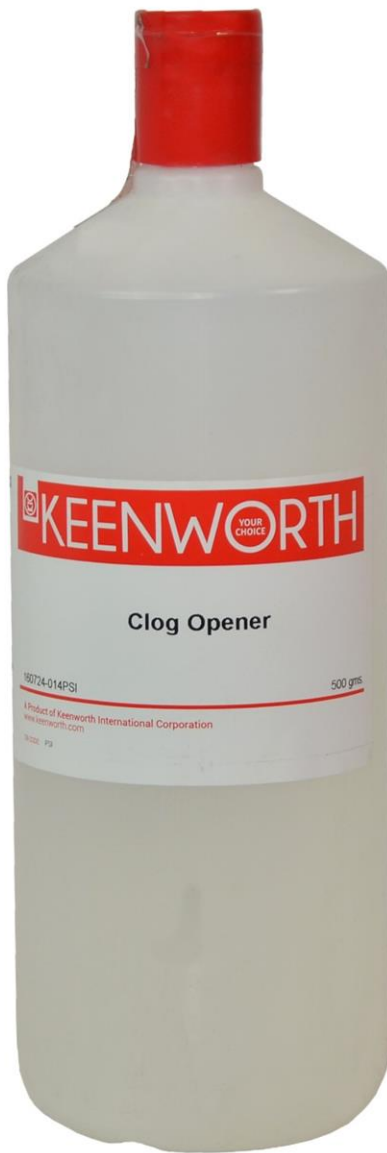


## ANTITACK

Distributed by:



- n.) **Antitack-** a chemical applied on print such as rubberize print to avoid transfer of foil or flock material to the print prior to the transfer printing process.



## CLOG OPENER

Distributed by:



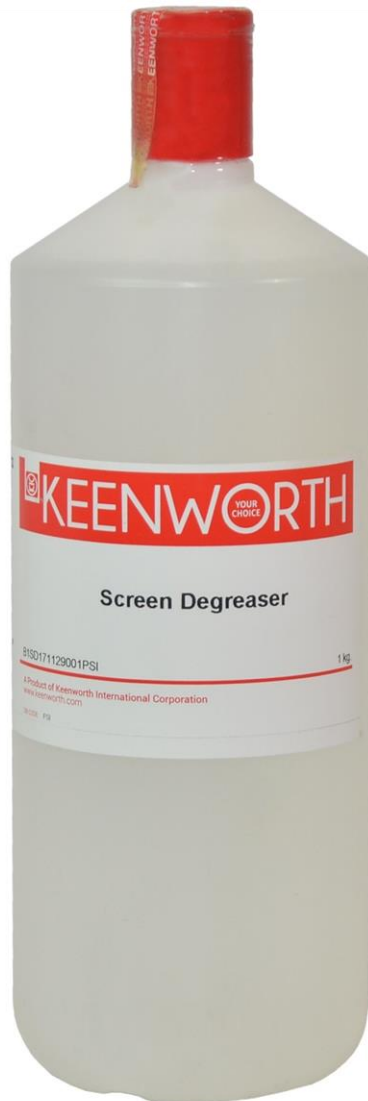
**o.) Clog Opener** – it helps to reduce or minimize clogging of inks on screen mesh during mass production. Just two to three sprays on screen with stencil prior to printing. It makes it easier to wipe or wash away clogged inks.

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## SCREEN DEGREASER

Distributed by:



**p.) Screen Degreaser** – this chemical is sprayed on screen mesh to removes dirt, oil or grimes in the screen mesh for better adhesion of Photo emulsion or stencil solution prior to application of Photo Emulsion or Stencil solution. One can also use this to clean stubborn inks on the screens. It is recommended to use high pressured water sprayer to thoroughly clean the screen mesh. Use chamois fabric to pat dry the screens.

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## GLOW IN THE DARK POWDER

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**q.) Glow in the Dark Powder-** can be added to Keenworth Waterbase Arbitex/ Enviortex Clear Ink for textile printing and Printwork Vinyl Varnish inks for that Glow in the dark effect print.



## SCREEN OPENER

Distributed by:



- r.) **Screen Opener-** a chemical used to aid in removing stubborn ink residue in the screen mesh during the process of screen printing. Use clean rag and apply gentle pressure to remove stubborn ink. Note: be careful not to over scrub as it may damage the stencil.



## LACQUER THINNER

Distributed by:



- s.) **Lacquer Thinner-** a chemical used as adhering solution for Hand Cut Film. It is sometimes also being used to clean screens.

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## LACQUER GLOSS

Distributed by:



- t.) Lacquer Gloss-** a chemical used to blockout areas of unwanted design of the stencil. It can also be used to retouch damage part of the design in the stencil.



## ALUMINUM FRAME ADHESIVE

Distributed by:



- u.) Aluminum/Wood Frame adhesive-** adhesive used to attached screen mesh for both Aluminum frames and wooden frames as well during the process of stretching.

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## SPRAYWAY PRODUCTS



## SPRAYWAY ADHESIVE #84 and #82

Distributed by:



- v.) Sprayway Adhesive #82-** a table or pallet adhesive in the form of spray. This is suitable for all types of screen printing inks that does not require high temperature curing process.
- w.) Sprayway Adhesive #84-** a table or pallet adhesive in the form of spray that can withstand high temperature curing process. It is suitable for plastisol inks user or for those who uses flash cure unit as curing process of their print.

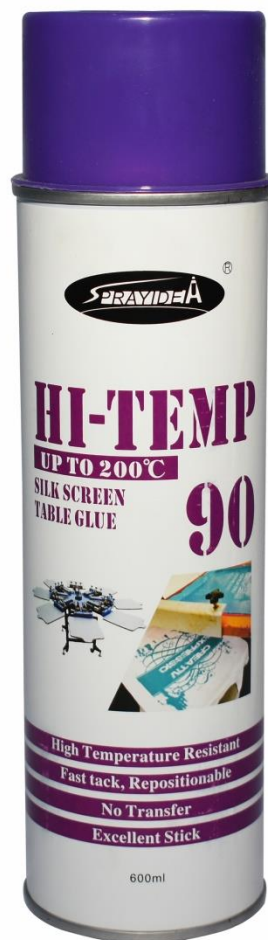


## SPRAYWAY SCREEN OPENER # 957 1CAN

Distributed by:



**x.)Screen Opener-** can be sprayed on mesh to help remove clogged or hardened ink residue on screen during the process of screen printing.



## SPRAY IDEA TABLE GLUE #90

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**y.) SPRAY IDEA TABLE GLUE #90** – a cheaper alternative table pallet adhesive that can also withstand high temperature. It is suitable for waterbase and plastisol printing.

## WATER BASE Auxiliary Chemicals | PRODUCT INFORMATION



WATERBASE AUXILIARY CHEMICALS		MAXIMUM LOAD IN %
<b>FIXER MR15</b>	<ul style="list-style-type: none"> <li>It helps in <b>improving washing fastness</b>.</li> <li>When added with water base, it must be <b>used within 8 hours</b> to avoid gelling and spoilage.</li> </ul>	<b>3 %</b>
<b>REDUCER CT</b>	<ul style="list-style-type: none"> <li>It <b>reduces</b> the <b>viscosity</b> of the printing paste and <b>delays clogging</b>.</li> </ul>	<b>2-5 %</b>
<b>THICKENER ASE</b>	<ul style="list-style-type: none"> <li>It <b>increases</b> the <b>viscosity</b> of the printing paste to <b>enhance opacity</b>.</li> <li><b>Do not</b> go over the <b>maximum load</b> as it will clump up.</li> </ul>	<b>2 %</b>
<b>ANTI-TACK R25</b>	<ul style="list-style-type: none"> <li>It <b>prevents unwanted transfer</b> of <b>foil</b> onto unnecessary areas of the artwork design.</li> <li>To put Anti-tack R25, dab onto the printed area where foil transfer is to be avoided.</li> <li><b>Do not apply</b> Anti-tack on areas that need foil transfer to be applied.</li> </ul>	<b>N/A</b>

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