



THE BEST INSTRUMENT IS IN YOUR **HANDS**

 SAATiChem™

CHEMICALS IN ACTION





If you are fond of screen-printing like us, SaatiChem is exactly what you need. SaatiChem is a new division of the SAATIgroup, a leader in the production and marketing of fabrics and chemicals for more than 70 years, with a considerable presence in the market worldwide and a know-how without any comparison. Thanks to this experience, SaatiChem offers you a wide range of complete, technologically advanced solutions in constant evolution.

SaatiChem produces and distributes high-quality photosensitive emulsions and auxiliary chemicals for screen-printing with a large product range covering the most demanding expectations in different applications: graphic, textile, ceramic, electronic, glass and optical disc.

SaatiChem always guarantees maximum quality and durability, satisfying all requirements, even the most demanding. Indeed, SaatiChem perfectly understands your needs and offers you the product meeting your specific requirements. SaatiChem combines reliability and accurate research with an innovating spirit and the enthusiasm typical of a young and ambitious company, future-oriented. Thus, we put our soul into everything we do, exactly as you do with your ideas.



AUXILIARY BUT ESSENTIAL

SaatiChem offers an advanced series of chemicals to considerably simplify your pre-press processes at every stage. They range from the effective **Ultrafix** frame adhesives and **Direct Prep** mesh pretreatments and degreasers to **Remove** reclaiming chemicals and **Finish** blockouts/screen fillers.



EXCEPTIONAL EMULSIONS

SaatiChem offers you a wide range of emulsions specific for your individual printing requirements.

NONSTICK DUAL-CURES

SaatiChem gives you everything you need in a dual-cure emulsion, minus the tackiness. Image distortion from blanket stretch is minimized during exposure. Drag and wear on the squeegee and stencil are reduced during printing. And chatter marks are eliminated on the print.

See our nonstick products: **Grafic HU, Grafic PU, Ceramic HU, Vitrum HU, and Vitrum HHU.**



WATERPROOF TRIPLE-CURES

SaatiChem's triple-cure technology provides unsurpassed durability among water-based emulsions. When the stencil is post-treated with catalyst, the triple-curing system is activated and transforms an easy-to-reclaim, solvent-resistant stencil into a permanent waterproof stencil that retains the high resolution traditionally achieved with dual-cure emulsion. This unique technology is ideal for printers requiring extreme water or abrasion resistance.

See our triple-cures: **Textil HT**, **Vitrum HT**, and **Ceramic HT**



SUPERIOR PHOTOPOLYMERS

SaatiChem offers the most complete range of specialized photopolymers in the industry. Designed with specific features such as speed, resolution, and toughness, our photopolymers outperform the competition because they are extensively customized.

SaatiChem projection emulsions are the fastest available. In addition, **Grafic PES** has unsurpassed resolution and exposure latitude, and **Textil PEW** exhibits superior water resistance. For garment printing, **Textil PV** combines speed and durability. **Textil PHW** and **Ceramic PHW** yield stencils 1000 microns thick. **Grafic PU** combines the convenience of a photopolymer with the versatility and quality of dual-cure-no mixing or shelf-life issues, yet fast exposure plus high resolution and definition, and compatibility with all inks.



Grafic

Grafic is SaatiChem's range of high quality stencil emulsions formulated for general as well as specific graphics printing applications. This family encompasses not only the diazo-sensitized products but also a range of dual-cure and pure photopolymer products that will satisfy the most demanding expectations in terms of print definition, stencil resolution, and durability.

GRAFIC HU

- Our most versatile emulsion
- Controlled particle size for excellent print definition
- Upon drying, lacks the tackiness typical of dual-cure emulsion

GRAFIC HS

- Our easiest-to-reclaim dual-cure

GRAFIC PU

- The convenience and speed of a pure photopolymer
- The versatility and price of dual-cure

EMULSIONS

Product	Sensitizer	Solid Content	Viscosity	Solvent-Based Ink	Water-Based Ink	Plastisol	UV-Curable
Grafic HU	Dual-cure	39%	Medium	■	■	■	■
Grafic HS	Dual-cure	34%	Medium	■		■	■
Grafic PU	Pure Photopolymer	39%	Medium	■	■ w/post-exposure	■	■
Grafic PS	Pure Photopolymer	39%	Medium	■		■	■
Grafic PS1 Red	Pure Photopolymer	34%	Medium	■		■	■
Grafic DS	Diazo	34%	High	■		■	■
Grafic PEU	Pure Photopolymer	27%	Low	■	■ w/post-exposure	■	■
Grafic PES	Pure Photopolymer	26%	Low	■		■	■

GRAFIC PS

- A very easy-to-reclaim and solvent-resistant photopolymer

GRAFIC PS1 Red

- Our most economical photopolymer emulsion

GRAFIC DS

- Our most economical Grafic emulsion

GRAFIC PEU

- Universal projection emulsion

GRAFIC PES

- The highest resolution and most solvent resistant projection emulsion



T extil

Textil Emulsions are designed specifically for the garment and textile industries. In this sector, more than in others, a deep knowledge of every production process is crucial to a suitable development of photoemulsions. The Textil range encompasses pure photopolymer, dual-cure, diazo, and our unique triple-cure technologies along with emulsions specifically for making very thick stencils or coating a very coarse mesh. This family represents the most technically updated range of direct emulsions to screen print the most intricate T-shirt and the most delicate designs that often bear the name of famous fashion houses.

TEXTIL PV

- The durable and fast garment photopolymer emulsion

TEXTIL PHW

- The photopolymer emulsion for high-density printing

TEXTIL HT

- Produces permanent, waterproof stencils for textile printing
- Use with SaatiChem Fixer 9



EMULSIONS

Product	Sensitizer	Solid Content	Viscosity	Solvent-Based Ink	Water-Based Ink	Plastisol	UV-Curable
Textil PV	Pure Photopolymer	42%	Medium		■ w/post-exposure	■	
Textil PHW	Pure Photopolymer	50%	High		■	■	
Textil HT	Triple-Cure	50%	High	■	■	■	■
Textil DW	Diazo	41%	Medium		■	■	
Textil DV	Diazo	41%	Medium			■	
Textil PEW	Pure Photopolymer	36%	Low		■	■	
Textil CTR 1/2/3/4	Dichromate	45%	Medium		■	■	
Textil CTR 5/6/7	Dichromate	35%	Medium		■	■	

TEXTIL DW

- An economical water-resistant emulsion

TEXTIL DV

- Faster exposing version of Textil DW for plastisol printing

TEXTIL PEW

- The projection emulsion for water-based printing

TEXTIL CTR

- Complete range of emulsions to produce nickel cylinders
- CTR1, CTR2, CTR3, and CTR4 are solvent free



Ceramic

Ceramic is SaatiChem's response to the demanding requirements of direct screen-printing on ceramic tiles. The Ceramic family of direct emulsions is specially formulated to withstand the severe impacts characteristic of this process. Ceramic high quality emulsions produce stencils with outstanding mechanical resistance and durability when printing with abrasive ceramic inks. The Ceramic line includes triple-cure emulsion for waterproof permanent stencils, dual-cure for high definition, low Rz stencils, and pure photopolymer emulsions for producing very thick stencils.



EMULSIONS

Product	Sensitizer	Solid Content	Viscosity	Solvent-Based Ink	Water-Based Ink	Plastisol	UV-Curable
Ceramic HT	Triple-Cure	50%	High	■	■	■	■
Ceramic HU	Dual-Cure	39%	Medium	■	■	■	■
Ceramic PHW	Pure Photopolymer	50%	High		■	■	
Ceramic HHW	Dual-Cure	50%	High		■	■	

CERAMIC HT

- Produces permanent, durable stencils
- Use with SaatiChem Fixer 9

CERAMIC HU

- For ceramic decals and ceramic tiles for third firing

CERAMIC PHW

- Builds high-density stencils

CERAMIC HHW

- For producing very thick stencils
- Extremely water resistant





Vitrum

Vitrum is SaatiChem's line of high quality direct emulsions for screen-printing a broad range of glass products. From glass containers and bottles to appliances to automotive glass, Vitrum offers emulsions that satisfy the most demanding expectations for print definition, stencil resolution, solvent resistance, and durability.

VITRUM HU

- Built-in features specially designed for glass printers
- Controlled particle size for excellent print definition
- Upon drying, lacks the tackiness typical of dual-cure emulsion

VITRUM HHU BLUE

- Higher-solids and higher viscosity version of Vitrum HU
- For coating coarser mesh
- Upon drying, lacks the tackiness typical of dual-cure emulsion

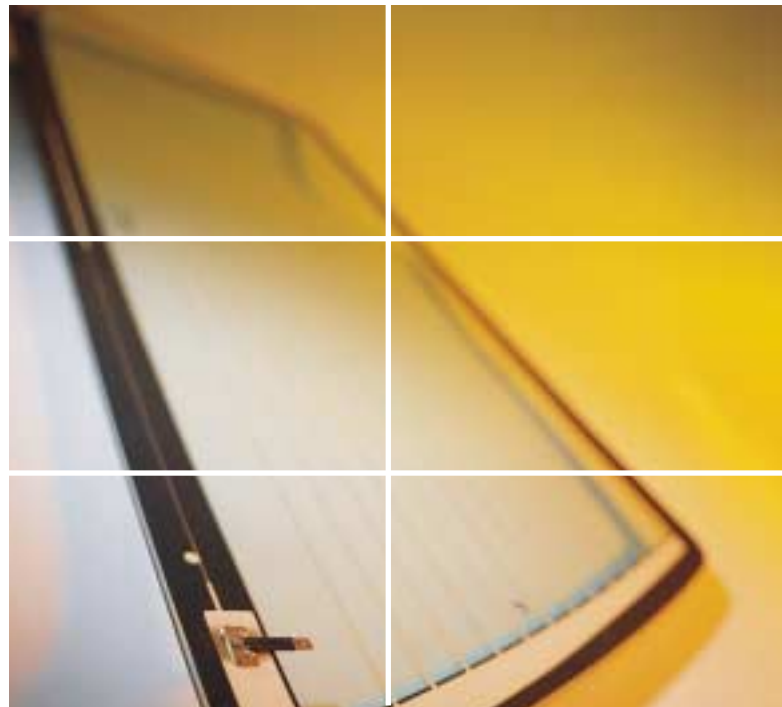
VITRUM HT

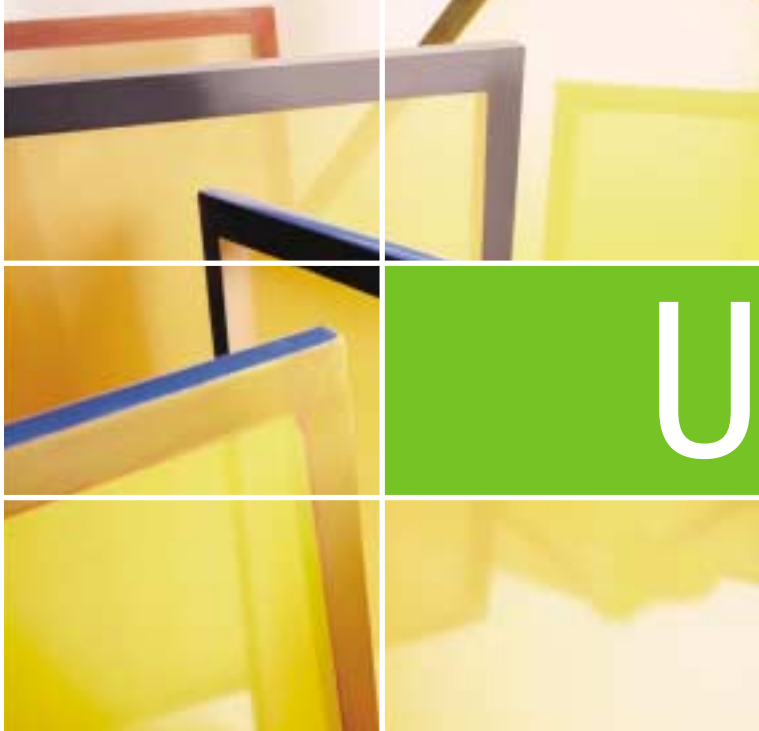
- Produces permanent, durable stencils
- Use with SaatiChem Fixer 9



EMULSIONS

Product	Sensitizer	Solid Content	Viscosity	Solvent-Based Ink	Water-Based Ink	Plastisol	UV-Curable
Vitrum HU	Dual-Cure	39%	Medium	■	■	■	■
Vitrum HHU Blue	Dual-Cure	45%	High	■	■	■	■
Vitrum HT	Triple-Cure	50%	High	■	■	■	■





Ultrafix

Ultrafix is SaatiChem's complete line of frame adhesives from two-part urethane-based systems to cyanoacrylate systems to meet the wide range of applications, mesh counts, and reclamation requirements. Ultrafix adhesives adhere to both wood and metal frames. SaatiChem completes the Ultrafix family with adhesive removers and debonders.

ULTRAFIX SB SERIES

- Two-part, urethane-based adhesives
- Remove frame from the stretching system only minutes after applying
- Can be applied over old adhesive residue
- Resistant to solvents, heat, and automatic cleaning machines

Product	Viscosity	Mesh Counts	Color	Pot Life	Mixing Ratio (adhesive-catalyst)
Ultrafix SB1 Plus	Medium	Medium to Coarse	Clear	< 1 hour	5 to 1
Ultrafix SB2 Plus	Thin	Fine to Medium	Blue	< 1 hour	5 to 1
Ultrafix SB3 Plus	Thin	Fine to Medium	Clear	> 7 days	50 to 1



FRAME ADHESIVES

ULTRAFIX CA SERIES

- Spray-activated cyanoacrylate adhesives
- Cures instantly
- Highly resistant to water and solvents
- Available in three different viscosities to match your mesh count

Product	For Use On Mesh Counts [threads/inch]	For Use On Mesh Counts [threads/cm]
Ultrafix CA50	330 – 508	130 – 200
Ultrafix CA100	196 – 380	77 – 150
Ultrafix CA150	17 – 196	6.5 – 77

ULTRAFIX C-FLEX

- Toughened, spray-activated cyanoacrylate adhesive
- More flexible than conventional cyanoacrylate adhesives
- Flexibility reduces damage to mesh during printing and injury to works during handling
- Cures instantly
- Highly resistant to water and solvents
- Recommended for mesh counts 305-460 threads/in (120-180 threads/cm)

ULTRAFIX CA ACTIVATOR

- Cures cyanoacrylate adhesive instantly
- Available in two types of dispensers: aerosol and pump
- For use with Ultrafix CA Series and C-Flex

ULTRAFIX REMOVER

- Removes Ultrafix adhesives
- Available in liquid or convenient gel form
- Effective on urethane-based and cyanoacrylate adhesives



Thik film

HIGH-DENSITY CAPILLARY FILM

Thik Film is a presensitized high-density capillary film now offered by SaatiChem, the leader in emulsion technology. Thik Film features a specially formulated red photopolymer emulsion that ensures a faster exposure, consistent stencil thickness, and excellent printing results every time. Thik Film is durable and a great time saver, enabling the production of thick stencils in one process. It can simply be applied to a wet screen or laminated with Thik Backing Emulsion for increased durability.

FEATURES

- Easy to handle
- High resolution
- Minimal exposure time
- Ideal for ceramics, electronics, and textile applications
- Excellent durability
- Time saver in screen preparation
- Extended shelf life
- Great print quality
- Perfect for high-density printing

Thik film is available in thicknesses of 100, 200, 300, and 400 microns.

All thicknesses are available in sheets of 8.5in x 14in (22cm x 36cm) and 14in x 17in (36cm x 43cm).



Saatiflash CTS15

CAPILLARY FILM

Saatiflash CTS15 Film is a capillary film designed specifically for applications where a very fast exposure is beneficial—such as computer-to-screen systems. CTS15 film features a SBQ blue photopolymer emulsion. It can be applied as a capillary film or mounted by lamination with SaatiChem Grafic PES. It is designed for optimum results with UV-curable inks, especially four-color process printing.

FEATURES

- Easy to handle
- Very fast exposure
- Great print quality
- High humidity resistant and can be used with solvent-based, UV-curable and plastisol inks.

CTS15 is available in a range of custom roll and sheet sizes.





Remove

Remove is SaatiChem's full line of screen reclaiming chemicals which include: press washes, ink removers, stencil removers, and haze removers. Remove products are fast acting, effective, and economical.

PRESS WASHES

REMOVE PW1

- Fastest-evaporating and most economical press wash
- No volatile organic compounds (VOC)

REMOVE PW2

- Most versatile press wash
- Highly effective on all inks
- Use on press between ink changes or when saving stencil

REMOVE PW3

- Low VOC press wash
- Effective on all inks
- Use on press between ink changes or when saving stencil

INK REMOVERS

REMOVE IR1

- Our most effective screen wash/ink degradant
- Removes the most stubborn and harshest inks
- Use in spray or recirculating tanks

REMOVE IR2

- Our most versatile screen wash/ink degradant
- Works on most inks used in graphics, industrial, and electronic printing
- Use in spray or recirculating tank
- Reduced VOC content



RECLAIMING CHEMICALS

REMOVE IR3

- Textile screen wash/ink degradent
- Ideal for garment and textile applications
- Works on plastisol
- Very low VOC content

STENCIL REMOVERS

REMOVE ER1

- Most economical stencil remover
- Concentrated powder

REMOVE ER2

- Concentrated, easy-to-dissolve liquid with built-in degreaser
- Degreaser cuts through oils for faster stencil breakdown
- Mix 1 part with 35 parts water by volume

REMOVE ER4

- Ready-to-use remover gel

REMOVE ER5

- Ready-to-use liquid with built-in degreaser
- Degreaser cuts through oils for faster stencil breakdown

REMOVE ER10

- Concentrated, easy-to-dissolve liquid
- Mix 1 part to 80 parts water by volume

HAZE REMOVERS

REMOVE HR1

- Low-caustic liquid haze remover
- Safe for mesh-can be left on screen overnight
- Can be reactivated with ink degradent-Remove IR1 or IR2

REMOVE HR2

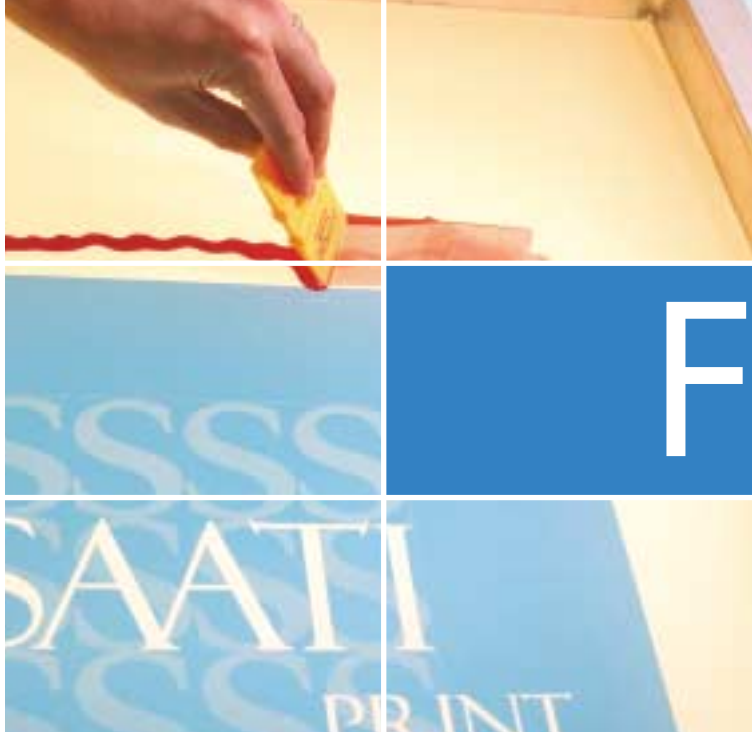
- Fast-acting liquid haze remover
- Can be used in automatic reclaiming system

REMOVE HR3

- Fast-acting haze remover paste

REMOVE HR4

- Non-caustic haze remover paste
- Alternative to caustic- and bleach-based haze removers
- Not corrosive



Finish

BLOCKOUTS/FILLERS

Finish blockouts/screen fillers offer both high performance and user friendliness. Finish blockouts contain no solvents and provide increased filling power. All have pleasant-smelling formulations and spread smooth and uniformly for optimum drying and filling. Use to cover open mesh areas and pinholes.

FINISH S1

- Economical red blackout/filler
- For use with solvent-based, UV-curable, and plastisol ink
- Reclaim with water

FINISH S2

- Heavy-duty blue blackout/filler
- For use with solvent-based, UV-curable, and plastisol ink
- Reclaim with water

FINISH W1

- Unique reclaimable, water-based violet blackout/filler resistant to water and solvent
- For use with water-based, solvent-based, UV-curable, and plastisol ink
- Reclaim with emulsion reclaiming chemicals and pressure washer



Direct Prep

MESH PREPS AND DEGREASERS

Direct Prep mesh pretreatments are specially designed to clean and prepare your screen mesh surface. They improve film lamination and the coating and bonding of direct emulsions and stencil films, resulting in optimum stencil performance and durability. The range includes products that go beyond conventional degreasers and actually treat the fabric surface with a wetting agent – making the screen more “wet-able” than an untreated or simply degreased screen. Screens treated with the wetting agent will hold an unbroken sheet of water on their surface when rinsing for completely uniform stencil adhesion.

DIRECT PREP 1

- Ready-to-use, one-step mesh abrader, wetting agent and degreaser

DIRECT PREP 2

- Ready-to-use wetting agent and degreaser

DIRECT PREP 3

- 10 to 1 concentrated liquid wetting agent and degreaser

DIRECT PREP 4

- Ready-to-use liquid degreaser



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