

Caligo Safe Wash Relief Inks

Caligo Safe Wash RELIEF/ BLOCK inks are vegetable oil-based printing inks that can be cleaned up easily and safely with soap and water. No solvents are needed. These inks work and feel like traditional oil-based relief inks. They are suitable for all kinds of relief printing such as Linocut, woodcut, wood engraving and letterpress. You can still use many of the modifiers you use for traditional oil based inks.* (see below for full details on modifying Safe Wash Inks)

Are they safe for me and for the environment?

Caligo Safe Wash Relief inks carry the **AP Approved Product Seal** of the Art and Creative Materials Institute. This seal means that our Safe Wash Inks have been tested to show they 'contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems'



We make our inks with renewable Linseed Oil. Linseed Oil is a vegetable oil made from the seeds of the Flax Plant. Linseed Oil has been used for generations to make high quality printing inks and is considered free of Volatile Organic Compounds (V.O.C's) that can harm the environment. We do not use any heavy metal or toxic pigments.

*How do I modify Caligo Safe Wash Relief Inks? & do I need any special Ink Modifiers?

Caligo Safe Wash Inks are made with oil and so you will find that you can use many of the ink modifiers you would use with traditional oil-based inks. The only specialist modifier you may need is our Safe Wash Oil.



- **Caligo Safe Wash Oil (WTC 83948)** – this is the only special ink modifier you may need to use with our Safe Wash Inks. Add a little of our washable oil when you need to thin your inks a little.
PLEASE NOTE: if you add 'traditional' oils/varnishes or oil-based inks you will begin to alter the construction of the Safe Wash Ink and this may make your Inks more difficult to wash up with just soap and water.
- **Caligo Safe Wash Extender (WTC 83405)** – add this transparent ink when you need to reduce the strength and increase the transparency of your ink.
- **Caligo Wiping /Tack Reducer Compound (WTC 83756)** - add a little Wiping Compound (or similar 'tack reducer') if you need to reduce tack and improve ink transfer. You may find this useful when you are printing onto more textured or dry papers or printing by hand.
- To stiffen your inks, you can use **Magnesium Carbonate (or Talc)** Caligo Safe Wash inks are oil-based and so you will find they feel stiffer when cold. Warming them up or working them with a pallet knife will make these inks feel looser and softer and easier to roll out and use.
- To speed up drying, you can use traditional **driers** for oil-based inks (e.g. Magnesium or Cobalt driers)

Printing

We recommend you print on lightly damped or dry paper. It is important to remember that the inks are designed to emulsify in water and so **we advise you do not to over damp your paper**. You don't need to damp your paper for long and you should always blot the paper thoroughly to make sure there is no surface water left on the paper. Damping just the back of your paper with a damp sponge or spray also works well. We recommend you avoid touching the image while still wet.

Some experimentation may be required depending on the type of paper you print on, your damping technique, and the print pressure you use.

Caligo Safe Wash Relief Inks:
Vegetable Oil-Based RELIEF Inks that
you can wash up with Soap and Water.



Drying

Caligo Safe Wash Relief / Block Inks dry in the same way as traditional oil-based inks i.e. by a process of polymerisation and oxidation.

If your paper is damp and your studio is cold, your prints will take longer to dry.

To help your prints dry more efficiently: always use acid-free paper and let your prints dry in a warm, dry environment with plenty of moving air.

Caligo Safe Wash Relief inks already contain a small percentage of driers. (Less than 1%) If you need to speed up the drying rate, you can safely add a small amount (up to a maximum of 0.5%) of traditional metallic driers such as liquid Manganese or Cobalt driers.

Cleaning Up

You don't need any solvents at clean up. Caligo Safe Wash Inks can be washed up with just soap and water.

First of all remove excess ink with a knife or a dry rag. Apply liquid soap/detergent directly onto the inky surface with a clean brush or a soft sponge. As you work the soap into the inky surface you will see the ink break down and emulsify. Wipe away the ink-soap mixture with a damp sponge or a paper towel. Carefully dry all surfaces before storage.

Using just water alone may sometimes cause some ink to stick to some surfaces. If any stubborn patches of ink remain, dry the surface, apply more soap and work it into the ink until it starts to lift away. Wipe clean with a damp sponge and dry with a paper towel. For best results we recommend you apply the rule '**soap before water**' !!

Mixing and Colour Mixing

Most of the colours are made with single pigments and so they make good bases for mixing your own colours. You can mix these inks with any other ink from the Safe Wash Range (Etching or Relief). We load our inks with high percentage of pigment and so you will find a little will go a long way. See our chart for the full range of single pigment colours we make for you.

For more ideas about colour mixing and how to use the 3 Process Colours + Black (Process Cyan, Process Magenta and Process Yellow) to make a spectrum of reds, oranges, greens, blues and purple please visit our website (www.caligoinks.com) or email and ask for colour mixing guide

Are the inks Lightfast?

At full strength, all the inks in the range have a light fast rating of at least 6 on the Blue Wool Scale. Check the chart overleaf for individual ratings for each ink.

How should I store my inks?

All oil-based Inks will eventually dry and form a skin when exposed to the oxygen in the air. To help stop your ink from drying in the tin, first of all make sure you remove any pockets of air in your ink or you may get skin in your ink. Always cover and carefully seal the exposed surfaces of the ink with a wax paper disc. Always replace the lid securely.

Any Questions or Comments?

Please email us directly with any questions and comments about Caligo Safe Wash RELIEF Inks. We're really keen to hear what you think and we will be very happy to reply by email.
info@caligoinks.com

P.S and we also make - Caligo Safe Wash ETCHING INKS



info@caligoinks.com

EMAIL

www.caligoinks.com

WEBSITE :

ANY QUESTIONS ?

Caligo Safe Wash Relief Inks – Colours and Ink Modifiers






Product Name	Product Reference	BWS Rating	Pigment Content	Pigment Family Origin	Opacity
	BK 1860 Safe Wash Relief Black	8	PBk 7	Furnace Carbon Black Inorganic synthetic	Opaque
	VL 71139 Safe Wash Relief Carbazole Violet	7	PV 23	Dioxazine Violet Organic Synthetic	Semi-transparent
	BL 24760 Safe Wash Relief Phthalo Blue	7	PB 15.3	Copper Phthalocyanine Organic Synthetic	Transparent
	BL 24283 Safe Wash Relief Ultramarine	7	PB 29	Ultramarine Inorganic synthetic	Transparent
	BL 24309 Safe Wash Relief Prussian Blue	7	PB 27	Iron Blue Inorganic synthetic	Semi Transparent
	GR 43104 Safe Wash Relief Phthalo Green	7	PG 7	Copper Phthalocyanine Organic Synthetic	Transparent
	RD 63254 Safe Wash Relief Rubine Red	6	PR 57.1	Lithol Rubine 4B Organic Synthetic	Semi Transparent
	RD 63266 Safe Wash Relief Naphthol Red	6	PR 112	Naphthol Red Organic Synthetic	Transparent
	WT 83391 Safe Wash Relief Opaque White	N/a	PW 6	Titanium Dioxide Inorganic Synthetic	Opaque
	WT 83405 Safe Wash Relief Extender	N/a	PW 18	Calcium Carbonate Inorganic	Transparent
	YL 91637 Safe Wash Relief Light Orange	6-7	Y47 PO 34 PY13 PW 18	Mixed Organic/Synthetic	Semi Opaque
	YL 91630 Safe Wash Relief Arylide Yellow	6	PY 3	Arylide (Hansa) Organic Synthetic	Semi Transparent
	YL 91759 Safe Wash Relief Diarylide Yellow	6	PY 13	Diarylide Organic Synthetic	Semi Transparent
	YL 91737 Safe Wash Relief Yellow Ochre	8	PY 42	Yellow Iron Oxide Inorganic Earth Synthetic	Opaque
	BRC 32371 Safe Wash Relief Burnt Sienna	7	PR112 PY3 PBk7	Mixed Organic	Semi Opaque
	BR 32211 Safe Wash Relief Raw Umber	8	Y42, PB 7, PW 18	Mixed Natural Earths	Semi Opaque

Caligo Safe Wash OIL MODIFIER	Caligo Safe Wash Oil WTCI 83948	Add a little Safe Wash Oil to dilute any inks from the Safe Wash RELIEF (or ETCHING range.) (Made from the same washable medium used in our Safe Wash Colours.)
Caligo Wiping Compound / Tack Modifier	Caligo Wiping Compound/Tack Reducer WTC 83756	Add a little Caligo Wiping Compound to reduce tack and improve ink transfer when you are printing onto more textured or dry papers or printing by hand.

Process Colours Our Process (or primary) colours can be used in several ways, for example:

- Mix the three process colours in varying proportions to create a spectrum of bright colour mixes of your own. You will find you can make a much wider range of greens, purples, blues, reds and oranges than you can achieve with a standard blue, red and yellow ink. Use white and black and extender to make an even wider range of tints and shades.
- Over printing layers of these inks to create new colours where the transparent coloured layers overlap.
- For printmakers who need a **four colour process set (CMYK)** to create colour relief prints with multiple plates. For the Black, use Caligo Safe Wash RELIEF Black BKC1860. (Depending on ink film thickness , you can adjust strength with extender as required)

For more information on Colour Mixing with Safe Wash Inks, please visit our website www.caligoinks.com or email us for a colour mixing guide info@caligoinks.com

	RDC 63827 Safe Wash Relief PROCESS RED (M)	6-7	PV 19	Quinacridone Magenta	Transparent
	YLC 91884 Safe Wash Relief PROCESS YELLOW (Y)	6	PY3	Arylide Yellow	Transparent
	BLC 25291 Safe Wash Relief PROCESS BLUE (C)	7	PB 15:3	Phthalo Blue	Transparent

EMAIL info@caligoinks.com

EMAIL

www.caligoinks.com

WEBSITE :

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