

Caligo Safe Wash ETCHING Inks

Caligo Safe Wash ETCHING 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 etching inks. They are suitable for all kinds of intaglio printing and you can still use many of the ink conditioners 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 Etching 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 Etching Inks? Do I need any special Ink Modifiers?

Caligo Safe Wash Etching 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 specialist modifier you may need. Add a little of this washable oil when you need to thin your inks a little.

PLEASE NOTE: if you add 'traditional' oils or other oil-based inks you will 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 Wiping Compound WTC 83756** - add a little Caligo Wiping Compound if you need to make wiping a little easier. Also useful for reducing tack and improve ink transfer when you are printing onto more textured or dry papers. (You can also use other similar 'tack reducers') These inks have a relatively stiff consistency and can be wiped like traditional oil-based inks. E.g. tarlatan followed by a hand or paper wipe.
- **Caligo Safe Wash Extender WTC 83840** - add this transparent ink when you need to reduce the strength and increase the transparency of your ink.
- 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 or warmed on a hot plate will make these inks feel looser and softer and easier to roll out and use.
- To speed up drying, you can use traditional metallic **Driers** for oil-based inks (e.g. Liquid Cobalt driers)

Printing

We recommend you print on lightly damped (or even 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 not as long as you may need for traditional inks. You should always blot the paper thoroughly to make sure there is no surface water left on the paper.

Some experimentation may be needed depending on the type of paper you print on, your damping technique, and the print pressure you use, amount of plate tone etc. We recommend you avoid touching the image while it is wet.

Vegetable Oil-Based Etching Inks that you can wash up with Soap and Water



Drying

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

Caligo Safe Wash Etching inks do not contain any driers.

If your paper is damp and your studio is cold, your prints will take longer to dry. Plates that contain a lot of ink will take longer to dry (e.g. a deeply etched plate) and you may need to add driers.

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.

If you need to speed up the natural drying rate, you can add a small amount of driers suitable for oil-based inks. We'd recommend up to a maximum addition of 1% of metallic driers such as 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. We recommend the following method: 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 our 3 Process Colours + Black (Process Cyan, Process Magenta and Process Yellow) to make a spectrum of reds, oranges, greens, blues and purples, please visit our website (www.caligoinks.com) or email and ask for a 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. Please check the chart overleaf for individual lightfast 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 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 ETCHING Inks. We're really keen to hear what you think and we will be very happy to reply by email. info@caligoinks.com

P.Sand we also make - **Caligo Safe Wash RELIEF INKS**

info@caligoinks.com

EMAIL

www.caligoinks.com

WEBSITE :

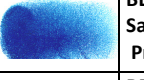


ANY QUESTIONS ?

Caligo Safe Wash ETCHING Inks – Colours and Ink Modifiers

Colour	Product Code	Lightfast Rating BWS	Pigment No.	Pigment	Opacity
	BK 1943 Safe Wash Etch Carbon Black	8	PBk 7	Carbon Black Inorganic synthetic	Opaque
	BK 1944 Safe Wash Etch Brown-Black	8	PBk 7 PBr 7	Carbon Black Inorganic synthetic Burnt Umber (Natural Earth)	Opaque
	BK 1945 Safe Wash Etch Blue-Black	8	PBk 7 PB 27	Carbon Black (Inorganic synthetic) Prussian Blue (Synthetic Inorganic)	Opaque
	VL 71204 Safe Wash Etch Carbazole Violet	7	PV 23	Dioxazine Violet Organic Synthetic	Semi-transparent
	BL 24914 Safe Wash Etch Ultramarine	7	PB 29	Ultramarine Inorganic synthetic	Transparent
	BL 24915 Safe Wash Etch Prussian Blue	7	PB 27	Iron Blue Inorganic synthetic	Semi Transparent
	BR 32284 Safe Wash Etch Sepia	8	PBk 7 PBr 7	Mixed Natural Earths	Semi Opaque
	GR 43171 Safe Wash Etch Phthalo Green	7	PG 7	Phthalocyanine Organic Synthetic	Transparent
	RD 63599 Safe Wash Etch Naphthol Red	6	PR 112	Naphthol Red Organic Synthetic	Transparent
	RD 63602 Safe Wash Etch Rubine Red	6	PR 57:1	Lithol Rubine 4B Organic Synthetic	Semi Transparent
	YL 91780 Safe Wash Etch Diarylide Yellow	7	PY 13	Diarylide Organic Synthetic	Semi Transparent
	YL 91782 Safe Wash Etch Yellow Ochre	8	PY 42	Yellow Iron Oxide Inorganic Earth Synthetic	Opaque
	WT 83838 Safe Wash Etch Opaque White	N/a	PW 6	Titanium Dioxide Inorganic synthetic	Opaque
	WT 83840 Safe Wash Etch Extender	N/a	PW 18	Calcium Carbonate Inorganic	Transparent

Process Colours: Our Process Colours can be used in several ways: PLEASE VISIT OUR WEBSITE FOR MORE INFORMATION.

- 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 wider range of greens, purples, blues, reds and oranges than you can achieve by mixing 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.
- These are ready made for printmakers who need a four colour process set (CMYK) to create colour etchings with multiple plates. For the Black, we recommend you use BKC1943 Caligo Safe Wash ETCHING Carbon Black

	BL 24911 Safe Wash Etch Process Blue (Cyan)	7	PB 15.3	Beta Phthalocyanine Organic Synthetic	Transparent
	RD 63601 Safe Wash Etch Process Red (Magenta)	7	PV 19	Quinacrodione Red Synthetic Organic	Transparent
	YL 91779 Safe Wash Etch Process Yellow	6-7	PY 3	Arylide (Hansa) Organic Synthetic	Semi Transparent

WTC 83948	Caligo Safe Wash Oil	<i>Designed for use with Caligo Safe Wash Inks. Add a little Safe Wash Oil to dilute/thin any inks from the Safe Wash Etching (or Relief) range.</i>			
WTC 83756	Caligo Wiping Compound	<i>Designed for use with any oil-based etching ink. Add a little Caligo Wiping Compound to any Caligo Safe Wash etching ink if you want to make wiping a little easier. Also useful as a tack reducer for oil-based relief inks</i>			