



Caligo SAFE WASH RELIEF INKS

*Oil-based RELIEF inks that can be
cleaned up with just soap and water !*

*Email us with your comments and
suggestions to info@caligoinks.com*



Inks for Fine Art Printmakers

CALIGO SAFE WASH RELIEF INKS



Applications: All types of relief printing. (Linocut, woodcut, wood engraving, photopolymer & letterpress)

Product Description

These innovative inks are **oil-based** and will therefore handle and print like traditional oil-based printing inks. However, **Caligo Safe Wash Relief** inks will safely and easily wash away with soap and water alone, without the need for harmful or expensive solvents.

These inks are lightfast (Blue Wool Scale 6 or higher) and are highly pigmented. You will find that a little goes a long way!

Modifying and Mixing

As the inks are highly pigmented, you can control the strength of your colours by the addition of Caligo Safe Wash Transparent Extender *WTC 83405)

The majority of the colours are made from single pigments and so the inks make excellent bases for creating your own vibrant colours mixtures.

Or you could start with just the three process colours and mix in varying proportions to make a range of blues, purples, greens, reds and oranges of your own. See our website for more details.

To thin your inks you can add a little **Caligo Safe Wash Oil WTCI 83948**

Printing

Use **Caligo Safe Wash Relief** inks as you would traditional oil-based relief inks. These inks are suitable for printing on dry or damp paper. However, as these inks are designed to break down (emulsify) in soap and water it is recommended that you keep your paper fairly dry and make sure there is no surface water on your paper or on your plate. Damping just the back of your paper with a damp sponge works well.

Ink Drying

Caligo Safe Wash Relief Inks will dry in the same way as traditional oil-based inks. (by polymerisation) For the most efficient drying we recommend you always print on acid-free paper and allow your prints to dry in a warm, dry environment. These inks already contain a small amount of driers (less than 1 %) but If you wish to speed up the natural drying process you may safely add a further 0.5% driers to your ink. (E.g. Liquid Cobalt or Manganese Driers)

Ink Storage

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

Ink Removal/Wash Up

Caligo Safe Wash Relief inks are designed to wash away with soap and water alone without the need for harmful and expensive solvents. For best results, use liquid **hand soap** or **detergent** or a **laundry liquid**. (Most brands work well)

For best results, follow the step -by -step instructions below:

- 1) Fill a jar with liquid soap / detergent or laundry liquid. With a clean **paint brush** apply a generous layer of **liquid soap /detergent/ laundry liquid** to the inky surfaces. Use the brush to thoroughly work the soap into the ink. You will see the ink breaking down and emulsifying as you mix it with the liquid soap.
- 2) Wash the soap-ink mixture away under warm water using the brush to help lift away all the ink from all surfaces. Or, you can use a paper towel or damp sponge to remove the ink-soap mixture from the surfaces. If any stubborn patches of ink remain, dry surfaces with a paper towel, then use the brush to apply more liquid soap and finally, wash away with more water.
- 3) Carefully dry your plate, tools and other surfaces before final storage or further printing. Paper towels work well.

Summary. Use the ink just as you would traditional oil-based relief ink but take care not to 'over-damp' your paper or leave any surface water on your paper or plate. To remove ink, **first apply liquid hand soap** to the inked surfaces with a brush, thoroughly work the soap into the ink. Once you have thoroughly worked the soap into the ink you can then wash away with warm water, using the brush to help lift away the ink. Or you can just wipe away with a paper towel or sponge. It is important to use **liquid soap first** and **before** you add any water as water alone can cause some inks to stick to the surfaces.

Apply the principle 'soap before water' !
Carefully dry all surfaces before storage.

CALIGO SAFE WASH RELIEF INK & INK MODIFIER

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, PBr 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 oil medium used in the safe Wash Colours.)
--------------------------------------	--	--

Process Colours

Our Process (or primary) colours can be used in several ways:

- 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.
- These are ready-made 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 Carbon Black BKC1860

PLEASE VISIT OUR WEBSITE FOR MORE INFORMATION.

	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

CALIGO SAFE WASH RELIEF INKS – KEY POINTS !!

1. Caligo Safe Wash RELIEF inks are **oil-based** but modified so that they can be cleaned up with soap and water. (No solvents required)
2. You can create new colours by mixing the inks with any other ink from the Safe Wash RELIEF range. Most of the inks are made from single pigments and so the mixed colours will be clean.
Process Colours. You can use our set of 3 process colours (Cyan, Magenta, Yellow) in several ways:
 - a) Try mixing these three process colours in varying proportions to make a range of reds, oranges, blues, purples and greens. Use with white and black to create a range of tints and shades.
 - b) Try overprinting these inks to create new colours where the transparent layers overlap.
 - c) These process colours are designed for printers who need a CMYK set of inks to create colour etchings with multiple plates . For Black use BKC 1860
3. All the inks have a light fast rating of at least 6 on the Blue Wool Scale.
4. As they are oil-based, the inks will be stiffer when cold and looser when warm or after working with a knife on the slab.
5. You can add **Caligo Safe Wash Extender WTC 83405** to increase transparency, reduce strength
6. You can mix in talc or magnesium carbonate to make the inks a little stiffer.
7. The inks contain a small amount of driers. As they are oil-based, they will dry in the same manner as traditional oil based inks (i.e. by a process of oxidation and polymerisation.) For efficient drying - always use acid free paper and allow the prints to dry in a warm, dry atmosphere. If you want to speed up the natural drying time, you can add traditional driers to these inks – up to 0.5 % should be sufficient. (Please follow the manufacturers guidelines on the safe use of driers)
8. Print on lightly damped (or dry paper.) Always blot the paper thoroughly making sure there is no surface water left on the paper. Damping just the back of your paper with a damp sponge works well.
9. The inks are designed to break down in water and so it is important not to over damp the paper. Some experimentation will be required depending on the type of paper, damping technique, and print pressure etc.
10. Once the print is dry, you may re-damp the paper and print again. However, it is important to wait until the print is completely dry. Avoid touching the image while it is wet. Plates that contain a lot of ink will take longer to dry.
11. We recommend you clean up using a **liquid hand soap / detergent**. We have found that most liquid hand soaps are suitable. A good way of applying the soap is with a clean stiff brush or by gently working in the soap with a paper towel/soft cloth. As you work the soap into the inky surface you will see the ink break down and emulsify. Wipe the ink-soap mixture away with a damp sponge or a paper towel. Finally rinse all surfaces with water and carefully dry before storage. (Water alone may sometimes cause some inks to cling to the surface - if any ink remains, dry the surface and apply more soap as above. A useful rule to follow is 'soap before water' !!
12. Please note that these inks are designed to be mixed with any ink from the Safe Wash RELIEF (or etching) Range.
13. If you wish to thin your ink, use a little **Caligo Safe Wash Oil (WT 83948)** Please note that adding 'traditional' oil based inks or 'traditional' oils will alter the construction of the ink and your ink may then lose its ability to be cleaned easily with soap and water alone.
14. And finally – 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

PSand we also make a range of Caligo Safe Wash ETCHING inks.