

Permaset®



PERMASET® Anti-Bleed Additive

PERMASET® Anti-Bleed Additive is designed to prevent or minimise print bleeding or hazing, particularly on fabrics that are rich in synthetic fibre. This bleeding manifests as ink bleeding along individual fibres and is more common with low viscosity inks on fabrics with high synthetic content and further exacerbated if that fabric has not been made print ready. **PERMASET® Anti-Bleed Additive** finds particular utility as an additive for inks to be used on synthetic fabric where super fine detail is required. The addition of **PERMASET® Anti-Bleed Additive** yields prints with better definition and improved resolution of fine detail.

DIRECTIONS FOR USE

PERMASET® Anti-Bleed Additive should only be added under vigorous stirring.

Wear appropriate PPE, e.g. suitable gloves, respirator and goggles, stand upwind from container.

- Generally, 0.05–0.2% of **PERMASET® Anti-Bleed Additive** per litre of ink (0.5–2.0 g/L) should be sufficient and 5 minutes stirring should be ample.
- Use a bucket or clean mixing vessel that is at least 30% bigger than the volume of ink that you wish to mix. This extra 30% volume (ullage) is required to allow vigorous stirring.
- Shake the bottle of **PERMASET® Anti-Bleed Additive** for at least one minute (1) before use.
- If there is any sign of skinning or lumps in the additive, then the entire contents should be strained before use.
- Pour the **PERMASET® Ink** to be adjusted into the mixing vessel.
- Place the mixing vessel under the mixer and ensure that it is securely fastened.
- Start the mixer and increase speed until a shallow vortex forms.
- Pour the **PERMASET® Anti-Bleed Additive** slowly into the vortex and mix until incorporated. Use a spatula to ensure that all product is mixed in, particularly that around the sides and in the corners at the bottom of the container.
- The level of addition depends on the degree of bleeding that needs to be adjusted for. Depending on the severity of the problem, it is good practice to start at the lower end and mix, test print, cure and wash. There may be a few iterations of that process. Again, it is good practice to keep records in a note book, possibly with pictures and/or fabric samples that will become a useful resource down the track.
- After stirring thoroughly, test print the ink and assess for bleed. If the desired properties have not been attained, then repeat the addition, stirring, print and testing until the desired properties have been achieved.
- Additions of more than 3 g/L should be avoided to prevent shade deviations that might arise through flocculation or agglomeration of dye molecules/pigment particles.

CAUTION

The improper addition of **PERMASET® Anti-Bleed Additive** to **PERMASET® Ink** products can result in lumps in the ink, if not mixed properly. In these instances, it is good practice to remix for up to 10–15 minutes with a power mixer.

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STORAGE & HANDLING

Containers should be kept in a cool dark place out of direct sunlight and away from sources of heat. Containers should be tightly closed when not in use. Keep out of reach of children.

SHELF LIFE

PERMASET® Anti-Bleed Additive has a shelf life of at least 12 months in the original sealed containers if stored at temperatures between 5–25 °C. Once containers have been opened, the contents should be used quickly. Containers should be closed tightly after use.

The shelf life of the ink mixture will depend on level of addition, storage conditions and housekeeping. Please refer to the **PERMASET®** Product Information Guide on housekeeping.

SAFETY NOTES

Please read the Safety Data Sheet (SDS) before using this product.

Use only in a well-ventilated environment, ideally fitted with fume extraction.

Respiratory Protection: If risk of inhalation of fumes exists, wear a combined organic vapor/particulate respirator complying with AS/NZS 1715/1716.

Eye Protection: Safety goggles.

Hand Protection: Polyvinyl alcohol (PVA) or nitrile rubber gloves.

FIRST AID MEASURES

If poisoning occurs, call Poisons Information Centre phone 13 11 26 in Australia or 0800 764 766 in New Zealand or a doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Keep at rest until fully recovered. Seek medical assistance, if you feel unwell.

IF SWALLOWED: Rinse mouth with water. Do NOT induce vomiting. Immediately call a Poisons Information Centre phone 13 11 26 in Australia or 0800 764 766 in New Zealand or a doctor. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water.

IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. flush skin and hair with running water and wash with soap. If swelling, redness, blistering or irritation occurs seek medical assistance. For skin burns, cover with a clean, dry dressing until medical help is available.

IF IN EYES: Hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes and transport to doctor or hospital.

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NOTE: The information and recommendations contained in this Product Information Sheet, as well as technical advice otherwise given by representatives of our business, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason, our products are sold without warranty and on condition that users conduct their own tests to satisfy themselves that they will fully meet their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information Sheet out of date and users are requested to ensure that they follow current recommendations.

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