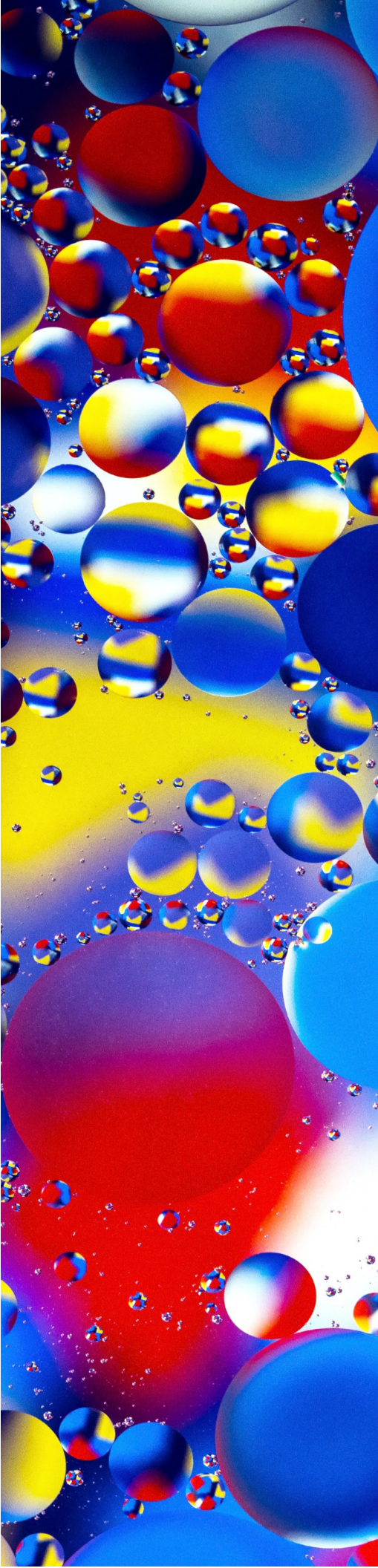




Dyes & Colourants

The Millstream Group offers a broad range of dyes and colourants that cover a multitude of applications and industries. Backed by one of the world's leading U.S manufacturers and suppliers of dyes and colourants, and supported by a team of dedicated and highly competent colour chemists, the range of possibilities is vast.

Solvent Dyes

Solvent dyes (or solvent-based dyes) are also referred to as oil based dyes. A solvent dye is a dye which is soluble in organic solvents and is frequently used as a solution in those solvents. Some of the typical solvents are alcohols, ethers, ketones, aliphatic and aromatic hydrocarbons, oils, fats, waxes, and chlorinated hydrocarbons.

Solvent dyes are used to colour items such as waxes, lubricants, fuels, plastics, and other hydrocarbon based nonpolar materials. They are widely used in applications such as fuel colouring & marking, automotive & industrial lubricants, foil printing, printing inks, marking pens, ballpoint pens, candles and other waxes, polishes, leathers, wood stains, acrylic resins, varnishes and shellacs. They are used in signalling smoke and in the pyrotechnics industry.

A common application of solvent dyes is in the plastics industry where solvent-based dyes are used to colour a variety of solid materials, such as acetates, nylon, polyester, acrylics, PVC, PMMA, PETP, polystyrene and styrene monomers.

Water-based Dyes

Water based dyes are used in everything from antifreeze to fertilizer. They are widely used in the detergents & cleaners industry in household, institutional, and industrial cleaning products.

In the automotive industry, water based dyes are widely used in the colouration of antifreeze/engine coolants, and may be combined with some specialised fluorescent dyes to provide a unique colouring effect.

They have a high level of solubility in warm water and are chemically stable across a wide pH range often experienced with many industrial cleaners and applications.

The Millstream Group carries a range of both solvent dyes and water-based dyes. Additionally, we can also supply powdered dyes if they are required or preferred.



Product Range

Navipol ® HF Solvent Dyes

Navipol® HF liquid dyes are single phase dyes supplied as concentrates in high flash point solvents. They are miscible in petroleum products and can be pumped, poured, or metered directly into the product being coloured.

Navipol® HF dyes are widely used for the colouration of diesel, kerosene, petrol, and other petroleum fuels and are suitable for internal combustion and compression ignition engines at the recommended dosage rate (5-20mg/L).

Navipol® dyes are true liquid dyes as opposed to solutions of powder dyes. The high flash solvents serve as viscosity depressants and strength standardizing agents while offering high colour strength in liquid form and low insoluble levels.

Navipol ® Red 164 HF
(Solvent Red 164)

Navipol ® Blue 98 HF
(Solvent Blue 98)

Navipol ® Purple RP HF
(Proprietary Blend)

Navipol ® Yellow HF

Navipol ® Yellow GR HF



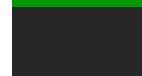
Navipol ® Brown 2 HF
(Proprietary Blend)

Navipol ® Orange 2 HF
(Proprietary Blend)

Navipol ® Orange M
HF (Proprietary Blend)

Navipol ® Green HF
(Proprietary Blend)

Navipol ® Black S HF



Petroleum Applications

- Colouration & marking of diesel and petrol
- Compliance with Government Non-taxed Diesel and Kerosene Dyeing
- Automatic Transmission Fluids (ATF)
- 2-cycle oil and 4-cycle oils
- Lubes
- Greases

Industrial Applications

- Aerobatic Smokes
- Candle Wax
- Colour Coding of Solvents
- Solvent Based Inks and Coatings
- Oil and Varnish Stains
- Leak Detections

Product Range

Navilan® Water-based Dyes

Navilan® water based dyes are in concentrated liquid or powder form for use in a wide variety of applications.

These dyes have bright, clean shades and have excellent compatibility with acrylic, urethane, and latex resins or emulsions. As such, they can be used in water based inks, coatings, wood stains, and many other water based specialty applications.

Navilan® Dyes can be blended for an unlimited range of colours and shade depths.

Yellow 73 (Acid Yellow 73)	
Yellow 23 (Acid Yellow 23)	
Orange 7 (Acid Orange 7)	
Green 25 (Acid Green 25)	
Blue 9 (Acid Blue 9)	
Red 52 (Acid Red 52)	
Red 73 (Acid Red 73)	

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They have a high level of solubility in warm water and are chemically stable across a wide pH range often experienced with many industrial cleaners and applications.



Product Range

Navipon® Dyes

Navipon® Dyes are a range of dyes specially developed for solvent based inks and coatings.

The Navipon® range of dyes from Sunbelt Colors are bright dyes exhibiting vibrant shades, with good organic solvent solubility and excellent light fastness.

These dyes are economical and direct alternatives to Neozapon®, Orasol®, and Zapon® dyes and are available in powder form or as specially formulated liquids in ethanol and glycols.

Yellow GL (Solvent Yellow 90)	
Orange RE (Solvent Orange 54)	
Blue 2GN (Solvent Blue 70)	
Blue 5 (Solvent Blue 5)	
Brown 2RL (Solvent Brown 43)	
Fire Red BL (Solvent Red 160)	
Black RE (Solvent Black 27)	

Applications

Navipon® dyes can be used in:-

- Gravure and Flexographic Inks
- Printing Inks
- Ball Point pens
- Inkjet Inks
- Hot Melt Inks
- Decorative Foils and Packaging
- PE Foam Underlayment
- Dyes for Flowers

Product Range

Morfast® Liquid Dyes

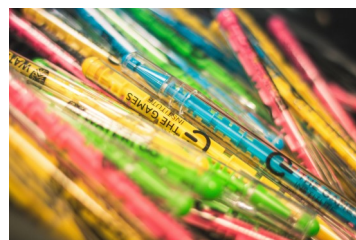
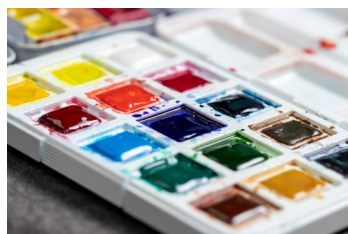
Morfast® Liquid Dyes are widely recognised as the standard for use in the Writing Instrument Industry. These dyes are specially formulated and manufactured using Sunbelt Corporation's proprietary liquid technology.

Morfast® Liquid Dyes exhibit high colour strength, vibrant/clean shades and exceptionally low insoluble levels.

Morfast® Liquid Dyes are supplied in n-propyl alcohol or ethanol and can be blended to match with all common solvents used in inks.

Morfast® Dyes can be used in:

- Pens and Inks
- Ink Jet Ink



Need a Data Sheet or some more information? Contact us today and let us help you find the perfect colour for your product.

[Contact Us](#)

Photos by
Guilherme-Belotti on Unsplash

