

Connecting **Chemistry**



## DYSOL™

A range of water soluble dyestuffs  
for specialist applications



## Brenntag Colours

Brenntag Colours laboratory in West Yorkshire, UK

### BRENTAG COLOURS IS A MAJOR SUPPLIER OF DYESTUFFS, PIGMENTS AND PERFORMANCE PRODUCTS TO INDUSTRIES WORLDWIDE.

We offer extensive range of high performance products such as organic pigments, solvent dyes, water-soluble colourants, for the variety of applications such as:

- Plastics
- Polymers & Rubber
- Coatings
- Lacquers, Foils & Inks
- Paper & Board
- Soaps & Detergents
- Agrochemicals

Our product ranges are under constant review and new product development to satisfy the increasing performance demands of industries.

We aim to create long term relationships with our customers by providing extensive technical support on new and existing products.

All our batches are controlled to industry standard levels. Our laboratories extensively test for consistency in production, providing certificates of analysis for every batch we sell.

We are continuously developing new products to enhance our ranges (organic pigments, solvent dyes, watersoluble colourants). Our in house laboratories will work with customers to develop bespoke products compatible with their systems.

#### Dysol™

Dysol is a range of dyestuffs designed specifically for household and industrial applications.

This information pack is designed to aid colour selection - it gives an indication of pH stability, surfactant stability and solubility in various solvents. However this does not guarantee suitability for use. We recommend that all dyestuffs be assessed by the processor in the formulation and packaging of the finished product prior to purchase. Samples are freely available for customer trials.

Please always read the material safety data sheet (MSDS) prior to use of any dyestuff. Take precautionary care as recommended in the section "Exposure controls / Personal protection" of the MSDS.

#### In-use instructions

We recommend to obtain the highest possible solubility from a powder dyestuff that is first mixed and thoroughly wet-out in a little hot water to form a paste and then further diluted with water to obtain a stable stock solution. From which an accurate quantity of dyestuff can then be added to the formulation.

As a general rule all Dysol dyestuffs of the same classification (i.e. Acid, Basic or Direct) can be freely mixed with other products of the same classification without issue. However mixing Basic dyestuffs with an Acid or Direct dyestuff may lead to precipitation.

Note: Dysols are not recommended for food, personal care or cosmetic applications.

Dysol products are not controlled for heavy metal content on a batch to batch basis, however, all assessments made have shown only background levels to be found.

Dysol products are not assessed to microbiological specifications.

typical application areas

Dysol™	Description	pH stability		Surfactant stability		Solubility		typical application areas					Shade representation
								detergent	fabric softeners	toilet gel	windscreen wash	liquid coolants	
<b>Fluoresceine LTP</b> C.I. Acid Yellow 73 Xanthene	tracer dye for aqueous systems	pH2 pH7 pH13	loses fluorescence fluorescent green no change	anionic non-ionic cationic	good good less fluorescence	water glycol alcohol	good insol low	+		+	+	+	
<b>Yellow 2G 133%</b> C.I. Acid Yellow 17 Monoazo	general purpose yellow	pH2 pH7 pH13	no change lemon yellow trace redder	anionic non-ionic cationic	good good good	water glycol alcohol	good trace low	+		+	+		
<b>Yellow N 267%</b> C.I. Acid Yellow 23 Monoazo	general purpose yellow	pH2 pH7 pH13	no change bright yellow trace redder	anionic non-ionic cationic	good good good	water glycol alcohol	v good trace low	+	+	+	+	+	
<b>Orange G 175%</b> C.I. Acid Orange 10 Monoazo	general purpose orange	pH2 pH7 pH13	little redder orange trace redder	anionic non-ionic cationic	good good weakens	water glycol alcohol	good insol low	+		+	+	+	
<b>Orange II 120%</b> C.I. Acid Orange 7 Monoazo	acid stable orange	pH2 pH7 pH13	no change orange redder	anionic non-ionic cationic	weakens weakens good	water glycol alcohol	good insol low	+		+	+		
<b>Scarlet 4R 200%</b> C.I. Acid Red 18 Monoazo	neutral pH red	pH2 pH7 pH13	trace bluer scarlet goes brown	anionic non-ionic cationic	good good good	water glycol alcohol	v good insol low	+	+		+		
<b>Red W Conc 160%</b> C.I. Acid Red 14 Monoazo	economical acid stable red	pH2 pH7 pH13	no change red trace bluer	anionic non-ionic cationic	good good goes bluer	water glycol alcohol	v good insol low	+	+		+	+	
<b>Rose 2G 220%</b> C.I. Acid Red 1 Monoazo	general purpose red	pH2 pH7 pH13	trace bluer red trace bluer	anionic non-ionic cationic	good good good	water glycol alcohol	good insol low	+	+	+	+	+	
<b>Red FR9</b> C.I. Acid Red 27 Monoazo	speciality rubine	pH2 pH7 pH13	trace bluer rubine burgundy	anionic non-ionic cationic	good good good	water glycol alcohol	good insol trace	+					
<b>Red 3BW Conc</b> C.I. Acid Red 131 Monoazo	strong blue shade red	pH2 pH7 pH13	no change red yellower	anionic non-ionic cationic	good goes bluer goes bluer	water glycol alcohol	mod insol low	+		+		+	
<b>Red 4B</b> C.I. Acid Red 52 Xanthene	general purpose pink	pH2 pH7 pH13	no change pink no change	anionic non-ionic cationic	good good goes bluer	water glycol alcohol	good insol mod	+		+	+	+	
<b>Blue 2RP</b> C.I. Acid Blue 225 Anthraquinone	acid stable blue	pH2 pH7 pH13	no change royal blue decolourised	anionic non-ionic cationic	good good good	water glycol alcohol	mod low low	+				+	
<b>Blue GRL</b> C.I. Basic Blue 41 Monoazo	acid stable blue	pH2 pH7 pH13	trace redder royal blue decolourised	anionic non-ionic cationic	good good weakens, redder	water glycol alcohol	mod low low			+		+	
<b>Light Blue R 200%</b> C.I. Acid Blue 62 Anthraquinone	alkali stable blue	pH2 pH7 pH13	decolourised blue bo change	anionic non-ionic cationic	good good good	water glycol alcohol	mod low mod	+	+	+	+	+	
<b>Blue BL</b> C.I. Acid Blue 80 Anthraquinone	economical acid stable blue	pH2 pH7 pH13	no change blue precipitates	anionic non-ionic cationic	good good good	water glycol alcohol	low insol mod	+	+	+	+	+	
<b>Lt Turquoise LG 400%</b> C.I. Direct Blue 86 Phthalocyanine	economical turquoise	pH2 pH7 pH13	greener turquoise precipitates	anionic non-ionic cationic	good good good	water glycol alcohol	mod insol trace	+		+	+	+	
<b>Turquoise ANX</b> C.I. Acid Blue 9 Triphenylmethane	general purpose turquoise	pH2 pH7 pH13	greener turquoise decolourised	anionic non-ionic cationic	good good good	water glycol alcohol	v good insol mod	+	+	+	+	+	
<b>Turquoise ANX Liquid</b> C.I. Acid Blue 9 Triphenylmethane	general purpose turquoise	pH2 pH7 pH13	greener turquoise decolourised	anionic non-ionic cationic	good good good	water glycol alcohol	v good insol good	+	+	+	+	+	
<b>Green 3B</b> C.I. Acid Green 25 Anthraquinone	neutral pH green	pH2 pH7 pH13	precipitates green precipitates	anionic non-ionic cationic	good goes bluer goes bluer	water glycol alcohol	good low mod	+			+	+	
<b>Green B 150%</b> C.I. Acid Green 1 Nitroso	alkai stable green	pH2 pH7 pH13	decolourised green no change	anionic non-ionic cationic	good goes duller good	water glycol alcohol	good insol low	+		+	+		
<b>Green B Extra Conc</b> C.I. Acid Green 16 Monoazo	neutral pH green	pH2 pH7 pH13	decolourised dark green decolourised	anionic non-ionic cationic	good goes yellower good	water glycol alcohol	v good insol mod	+		+	+	+	
<b>Green 3G</b> C.I. Acid Green 28 Anthraquinone	general purpose green	pH2 pH7 pH13	trace yellower green trace yellower	anionic non-ionic cationic	good goes bluer good	water glycol alcohol	mod low low	+		+		+	
<b>Nigrosine GS</b> C.I. Acid Black 2 Azine	general purpose black	pH2 pH7 pH13	slight precipitation black trace redder	anionic non-ionic cationic	good good good	water glycol alcohol	good insol insol	+		+	+	+	

All information is based on our present state of knowledge and is intended to provide general information and their uses. It should not be construed as guaranteeing specific properties of the products described or their suitability for a specific application

v good  
good  
moderate  
low

≤ 5%  
< 1%  
< 0.1%  
< 0.01%

general recommendation of suitability of use only

representative colour shade only

# Brenntag Colours Worldwide

Thanks to the wide reach of the Brenntag Group distribution network, the products are made available through the extensive operating facilities throughout the world.

Brenntag Colours business has accumulated a wealth of experience within the colour industry, and our qualified team is available to answer specific customer technical enquiries and offer problem-solving solutions on a daily basis.

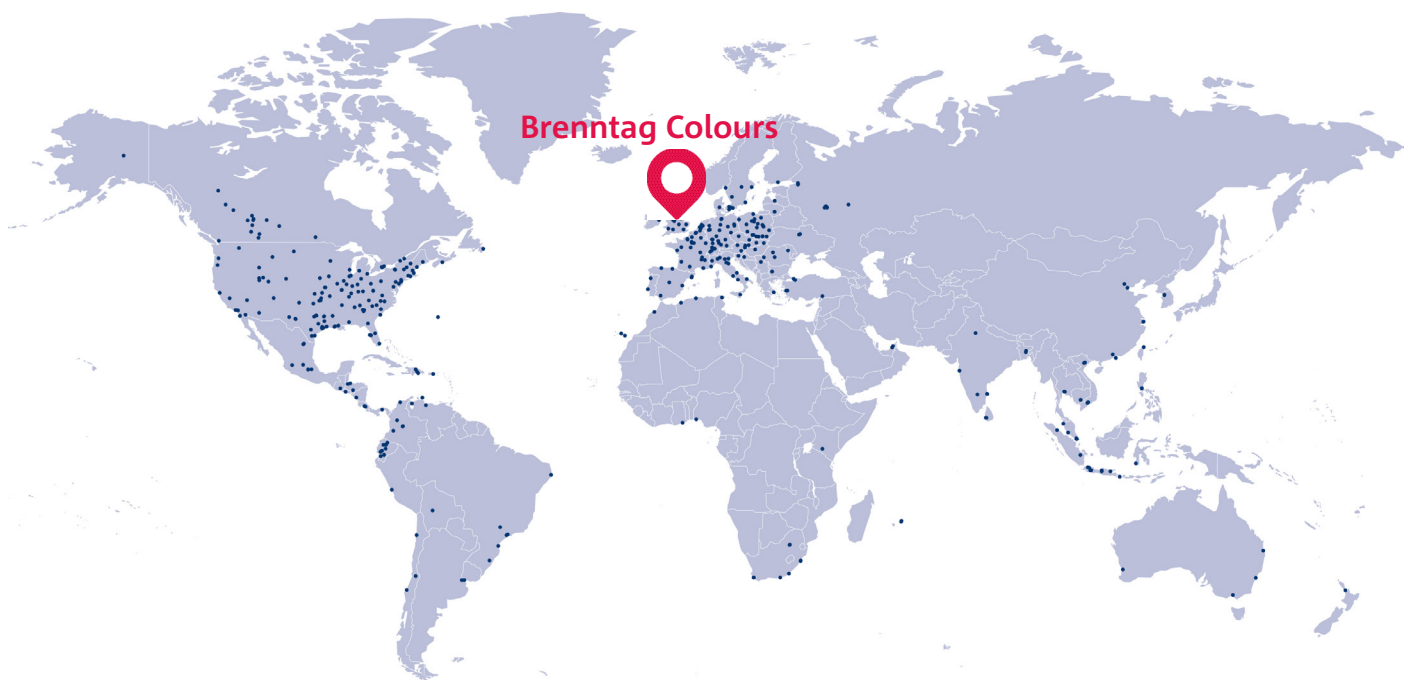
For technical advice or to request a sample, please contact:

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