

# TECHNICAL DATA SHEET

## COLORIZER

- Aqueous dye solution
- High tinting strength
- Ease of Use
- Versatility

**Colour:** Yellow, Red, Blue, Pink

**Capacity:** according to order

**COLORIZER** is an aqueous solution of dye, designed for industrial applications where dyeing products is a key element of the production process. The product has a maximum concentration of dye, which eliminates the need for pre-dissolving and facilitates precise dosing. Its effectiveness lies in its ease of use and reliability, which contributes to the efficiency of the production process. This versatile product is used in a variety of industrial sectors, including home and automotive chemicals and agriculture. It is ideal for colouring liquid laundry detergents, dishwashing detergents, general purpose cleaners, windshield washer fluids, car shampoos and active foam, as well as fertilisers and plant protection products. Thanks to specially selected dyes, the product is characterized by optimal resistance to light, surfactants and pH.

The COLORIZER is produced in 4 basic colours (yellow, red, sky blue and pink) that can be used alone or mixed in different proportions to obtain a wide range of shades. We also offer other ready-made colour mixtures. The process of mixing primary colours in different proportions allows for an almost infinite range of colours, giving manufacturers and users the ability to precisely match the colour to their individual preferences or design requirements.











### HOW TO USE:

- › Before each use, stir the COLORIZER thoroughly to ensure that the dye is evenly distributed.
- › Possible delamination or sediment at the bottom of the packaging does not constitute a product defect. It occurs naturally and does not affect the quality of the product. Simply stir the product again before use.
- › Add the appropriate amount of COLORIZER to the product to be dyed. Depending on the desired colour intensity, the right amount of dye should be selected.
- › Mix the dyed product thoroughly to achieve a uniform colour and the desired colour effect.
- › It is recommended to test on a small sample of the product before full application to assess the appropriate amount of dye and the final colour effect.

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### SPECIFICATIONS:

COLORIZER											
No	Color Name	Colour Index	INCI	Full tone	pH stability			Surfactant resistance			Lightfastness
					pH2	pH7	pH13	anionic	non-ionic	cationic	
Primary colours											
1	Yellow	Acid Yellow 23	CI 19140		no change	no change	shade red	good	good	good	4
2	Red	Acid Red 18	CI 16255		blue shade	no change	shade brown	good	good	good	3-4
3	Blue	Acid Blue 9	CI 42090		shade green	no change	discoloration	good	good	good	2
4	Blue.EX	Direct Blue 86	CI 74180		shade green	no change	discoloration	good	good	good	4-5
5	Pink	Acid Red 52	CI 45100		no change	no change	no change	good	good	blue shade	2-3
Mixture											
6	Orange	AY23+AR18	19140+16255		blue shade	no change	Shade brown	good	good	good	3-4
7	Green	AY23+AB9	19140+42090		shade green	no change	Discoloration	good	good	good	2-3
8	Grassy	AY23+AB9	19140+42090		shade green	no change	Discoloration	good	good	good	2-3
9	Violet	AB9+AR52	42090+45100		shade green	no change	Discoloration	good	good	blue shade	2-3
10	Cherry	AR52+R18	45100+16255		blue shade	no change	Shade brown	good	good	blue shade	2-3

**Full tone:** The colours shown on the sample book are illustrative, the resulting colours may vary depending on the type and quality of the product being dyed

**pH stability:** Color change of the dye in a system with a specific pH

**Lightfastness:** Gray scale (1-5). Information based on data from the dye manufacturer

### SHELF LIFE:

› 36 months from the date of production. Once opened, use within 6 months.

### TRANSPORT AND STORAGE:

› Store and transport in airtight, original packaging at a temperature of +5°C to +40°C. Protect from frost.

### COMMENTS:

- › Keep out of reach of children.
- › If swallowed, consult a doctor.
- › It contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction.
- › Detailed safety information is provided on the product packaging and in the Safety Data Sheet.

The data contained in the technical data sheet is based on laboratory tests and practical experience and is communicated to the best of our knowledge in order to ensure optimal use of the product. These data are not the basis for the legal liability of the Manufacturer, as he has no influence and control over the conditions of use of the product. The manufacturer reserves the right to change the information contained in the card without prior notice to the Customer.