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Technical Data Sheet

Magenta SRB 2995 Liquid Dye

Formerly HI-pH Stable Magenta 6136 Liquid, Hot Pink 2995 Liquid

Shade Progression

Bright pink at low concentrations progressing to a bright magenta at higher concentrations. Dye is also fluorescent.



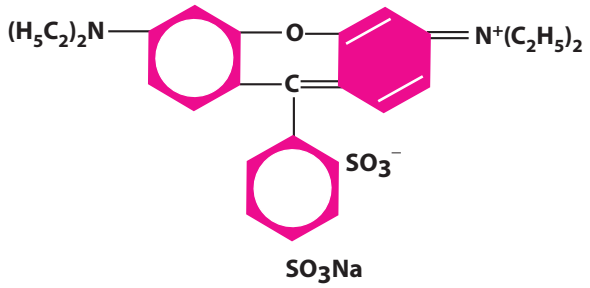
low medium heavy

Identification

Color Index Generic Name:	Acid Red 52
Color Index Constitution Number:	45100
CAS Number	3520-42-1
EC (EINECS) Number	222-529-8
RTECS Number	BP6750000
PubChem CID	9916275

Synonym(s): Acid Rhodamine B, Sulphorhodamine B

The Colour Index, abbreviated C.I., is the most widely used database for referencing dyes and pigments worldwide.
TSCA Name:
Xanthylium, 3,6-bis(diethylamino)-9-(2,4-disulfophenyl)-, inner salt, sodium salt (1:1)



Physical & Chemical Properties

Description: water soluble dye
Physical form: liquid
Chemical class: xanthene
Chemical Formula: $C_{27}H_{29}N_2NaO_7S_2$
Molecular weight: 580.65
Ionic nature: anionic
Wavelength of maximum absorption (λ_{max}): 565 nm
Wavelength of maximum emission: 586 nm
Specific: gravity: 1.13 (9.4-lbs/gal) typical
Solubility: Completely miscible
slight solubility in glycols and alcohols
Light fastness: fair, ISO: 3, AATCC: 2-3
Broad pH stability, recommended pH range is 2.0 - 11.5
pKa: 8.3

Powder and Liquid Dye Forms

This dye is also available in powder form under the trade name **Magenta SRB 2895**. The liquid is a 13.6% solution of the powder. 1 part powder = 7.4 parts liquid by weight

Common Applications

HI&I - Household, Industrial & Institutional Cleaners
Engine Coolant/Antifreeze & Heat Transfer Fluids
Leak Detection/Water Tracing
Inks, Markers & Bingo Daubers

Standard Packaging

2-lb bottle(12/cs) 9-lb jug (4/cs) 45-lb pail
450-lb drum

Custom packaging available.

Typical Use Rates

Coloring Liquid Products: This dye can be added at varying concentrations to produce shades ranging from light to strong. The following use rates represent typical concentrations when coloring liquid products:

Light shade:	40 mg/l	(1-lb per 3,000 gallons)
Medium Shade:	80 mg/l	(1-lb per 1,500 gallons)
Heavy Shade:	200 mg/l	(1-lb per 600 gallons)

Coloring Marker Inks: 15-30% w/w

Storage & Handling

Storage: Store in a closed container in a dry environment.
Shelf Life: 2 years from date of manufacture.

Transportation

Shipping: Not regulated by US DOT/IATA . Not classified as dangerous goods.

* Disclaimer: Color shown is a CMYK approximation only. Actual color may vary depending upon concentration and the nature of the product to which this dye is applied. Dye stability cannot be guaranteed in all products and applications. It is essential that thorough testing be completed on a sample basis before proceeding to use this dye on a production level. To our best knowledge, the information and recommendations contained herein are accurate and reliable. However, this information and our recommendations are furnished without warranty, representation, inducement, or license of any kind, including, but not limited to, the implied warranties of merchantability and fitness for a particular use or purpose. Customers are encouraged to conduct their own tests and to read the available product literature carefully before using this product.

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