

TEC-GUARD

CHEMICAL

RED DYE

Color Intensity Graph
(Approximate color for applications in clear solutions*)

low

medium

heavy

Applications

- Fuel Dye
- Transmission and Break Fluid
- Lubricating Oils
- Hydraulic fluids, oils and greases
- Waxes and candles

Typical Use Rates

- Dye can be added at varying concentrations to produce shades ranging from light to dark. Dye concentration is usually stated as a percentage based on the weight of the product. The following use rates represent typical industrial applications.
- Fuels: 5-20mg/l
- Lubricants, Hydraulic Fluids: 50-200 mg/l
- Greases: 500-2000 mg/l
- Inks: 5-15% w/w
- Suggested Use Rate for Tax Exempt
- Diesel Fuel: 5.5 fluid ounces/1000 gallons

Physical Properties

- Chemical nature: solvent soluble disazo dye
- Ionic nature: non-ionic
- Form: Liquid preparation in high flash solvent
- Pure Dye Content: approx 42% w/w
- Specific gravity: 0.95 - 0.99
- Bulk density: approx 8-lbs per gallon
- Solubility: insoluble in water, low solubility in polar solvents, high solubility in hydrocarbons and petroleum fuels
- Shade: Red
- Light fastness: moderate
- Flash Point: >94°C (201°F)

Storage

Store between 10 and 30°C (50 - 86°F). Keep container closed when not in use. Do not store or use near excessive heat sources, sparks or flame.

* Disclaimer: For use in dyeing industrial products. The stability of this dye cannot be guaranteed in all products. 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. It is essential that thorough testing be completed on an experimental 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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400 S 14 Ave • Eldridge, IA 52748 • 800-522-1150 • www.tec-guard.com