

## United Initiators Ketone Dye Concentrates

Methyl ethyl ketone peroxide  
CAS# N/A  
Liquid mixture

### Description

United SPI Dye Concentrates are available for selected Norox® ketone peroxide products to enable the user to ensure that the peroxide cure initiator (“catalyst”) is being uniformly mixed and applied in unsaturated polyester and vinyl ester resins. These dye concentrates are available in permanent or fading formulations as described below.

### Technical Data

Active oxygen	5.6 max
Form:	Liquid
Specific Gravity @ 25°C:	1.15
Flash point (C.O.C.):	200°F/93°C, min
Flash point (SETA C.C.)	150°F/66°C, min.
SADT:	149°F (60°C)
Soluble in:	Oxygenated organic solvents
Slightly soluble in:	Water

### Application

BW-4 – Blue dye concentrate for point of use addition, only. Available only in one-gallon package size. Non-fading in the curing system. Fairly permanent in cured resin, but with prolonged exposure to the sun, BW-4 will fade.

B-1 – Fading blue dye concentrate for ketone peroxide formulations. This blue dye concentrate will begin to fade as the resin is completing gelation, to an almost colorless state when the resin has cured. For point of use addition, only. Available only in one-gallon package size.

Y-5 – Non-fading yellow dye for most standard, low water content ketone peroxides. Not recommended for high water content peroxides. For point of use addition. Available only in one-gallon package size.

R-4 – Non-fading red dye concentrate especially suitable for high water content ketone peroxide formulations. It can also be used in low water content peroxides. Available for point of use addition, or pre-added to the appropriate peroxides at the time of manufacture.

R-5 – Non-fading red dye for most standard, low water content ketone peroxides. Not recommended for high water content peroxides. Peroxide products for which this is a suitable dye can be pre-dyed at the time of manufacture or added at point of use. Available in 18 cc bottles and one-gallon packages for point of use addition.

FR-1 – Fading red dye concentrate for ketone peroxide product formulations. This dye concentrate will begin to fade as the resin is completing gelation to an almost colorless state when the resin has cured. Available for suitable pre-dyed peroxide products and in one fluid ounce bottles and one-gallon package sizes for point of use addition.

Warning – These dye concentrates have been tested for performance and stability only in United SPI peroxides. Use in other manufacturers' products is not recommended, and United SPI will not accept any liability for safety and/or performance shortcomings of any concentrate used in any product not manufactured by us. We do not recommend the use of fading dyes in gel coats or color critical applications.

## PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of NOROX® UNITED KETONE DYE CONCENTRATES are 4x8 lb and 44 lb (20 kg) polyethylene bottles.
- NOROX® UNITED KETONE DYE CONCENTRATES is available pre-dyed in 44 lb (20kg) bottles. Please see United Initiators, Inc. TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific NOROX® UNITED KETONE DYE CONCENTRATES Safety Data Sheet (SDS) under section 14 & 15, shipping & regulatory information. **NOTE:** SDS's for all United Initiators, Inc. products may be requested by contacting the company.
- NOROX® UNITED KETONE DYE CONCENTRATES is available through a global network. Call United Initiators, Inc. for the name of the distributor in your area

This information and our application-technical advice – whether verbal, in writing or by way of trials – reflect our present state of knowledge based on internal tests with local raw materials. Their purpose is to inform interested parties about our products and their possible application. They should not be construed as guaranteeing specific product properties or their suitability for a particular application. Furthermore, the information does not contain complete instructions for use. Nor does it constitute a guarantee as to quality and durability. Changes due to technical progress and corporate advancement reserved. Any existing third-party copyrights are to be taken into account.

Application and use of our products based on our application-specific advice is beyond our control and sole responsibility of the user. The user is not released from the obligation of verifying the suitability and applicability as to the intended purpose.

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