



icolorTM
US

HOUSE OF DYES

Water Soluble Dyes

**Non-staining, liquid dyes for Home Care,
Toiletries & Industrial applications**



+1 (224) 380 4440
+1 (224) 715-8384



sales@icolorus.com
www.icolorus.com



2910 North Arlington Heights
Road, Arlington Heights, IL - 60004



Product Portfolio

| Product Name | Code | Shade |
|---------------------|-------------|---|
| RINSE YELLOW | ICRRIN 001 |  |
| RINSE SUNSET YELLOW | ICRRIN 002 |  |
| RINSE GOLDEN YELLOW | ICRRIN 003 |  |
| RINSE ORANGE | ICRRIN 004 |  |
| RINSE RED | ICRRIN 005 |  |
| RINSE MAGENTA | ICRRIN 006 |  |
| RINSE BLUE | ICRRIN 007 |  |
| RINSE SKY BLUE | ICRRIN 008 |  |
| RINSE GREEN | ICRRIN 009 |  |
| RINSE VIOLET | ICRRIN 0010 |  |
| RINSE BLACK | ICRRIN 0011 |  |

Light Stability

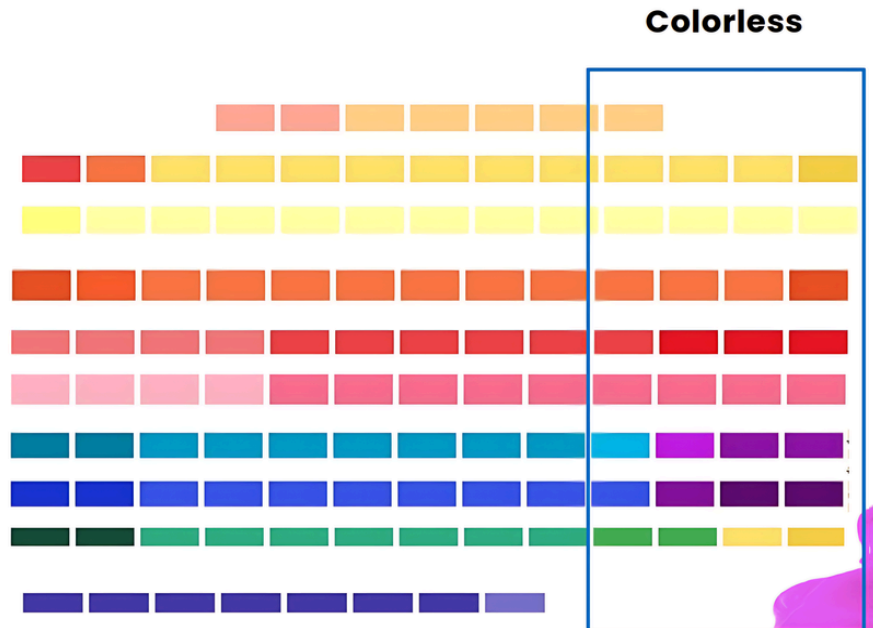
| Technical Parameters | Features |
|---|--|
| Water | Soluble |
| Glycol | Miscible |
| Oil | Miscible |
| Light Fastness (is the resistance of colours to fading, changing shade or darkening under the influence of light) | Fair (4 to 5) Color is stable and strong upto 1 to 2 months |
| Compatibility with fragrances and preservatives | 100% |
| Compatibility with most cationic, anionic, non-ionic, and quaternary systems. | 100% |
| Biodegradability | Completely biodegradable. *(Not expected to release any adverse substances into the environment due to the nature of their chemistry) |

- 8 – Exceptional 2 years
- 7 – Excellent 7 to 12 months
- 6 – Very good 3 to 6 months
- 5 – Good 2 to 3 months
- 4 – Quite good 1 month
- 3 – Moderate 2 weeks
- 2 – Low 4 to 7 days
- 1 – Very low 1 to 2 days

Solidity index -Wool scale to measure light fastness.

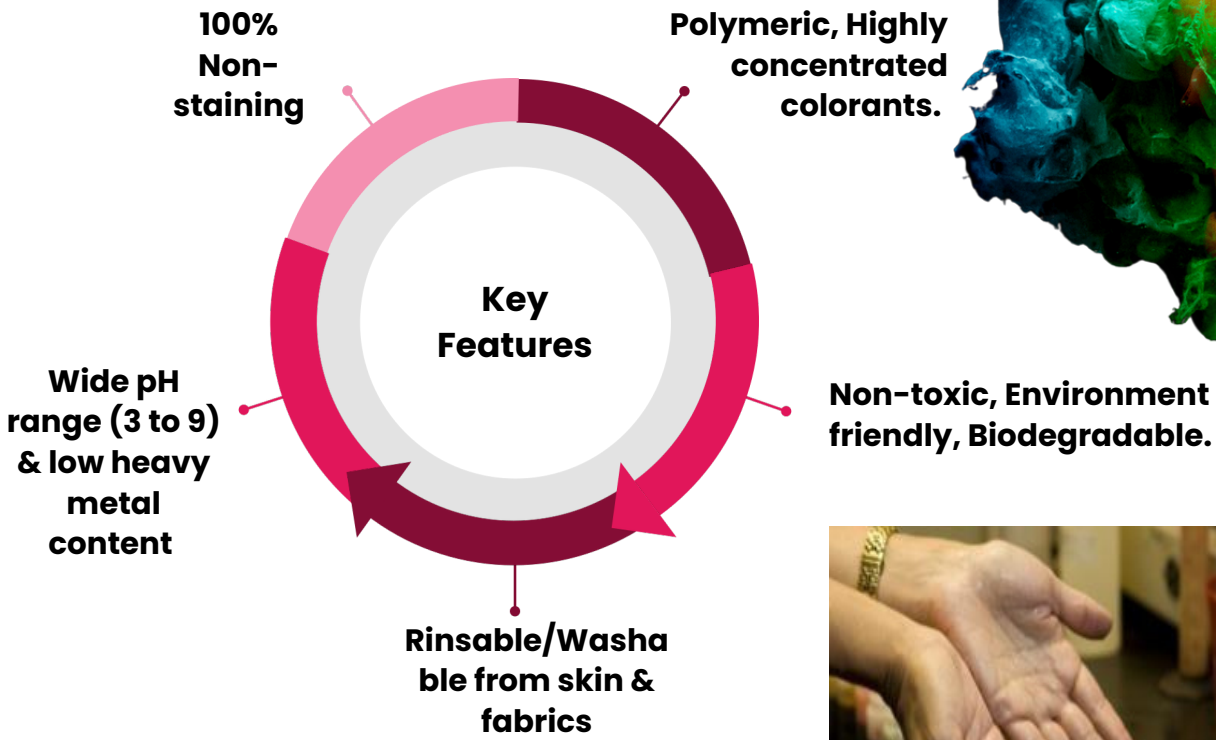
pH Stability Chart

| COLOUR | CODE |
|---------------------|-------------|
| RINSE YELLOW | ICRRIN 001 |
| RINSE SUNSET YELLOW | ICRRIN 002 |
| RINSE GOLDEN YELLOW | ICRRIN 003 |
| RINSE ORANGE | ICRRIN 004 |
| RINSE RED | ICRRIN 005 |
| RINSE MAGENTA | ICRRIN 006 |
| RINSE BLUE | ICRRIN 007 |
| RINSE SKY BLUE | ICRRIN 008 |
| RINSE GREEN | ICRRIN 009 |
| RINSE VIOLET | ICRRIN 0010 |

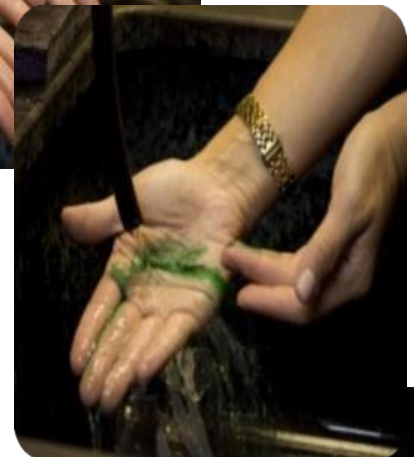
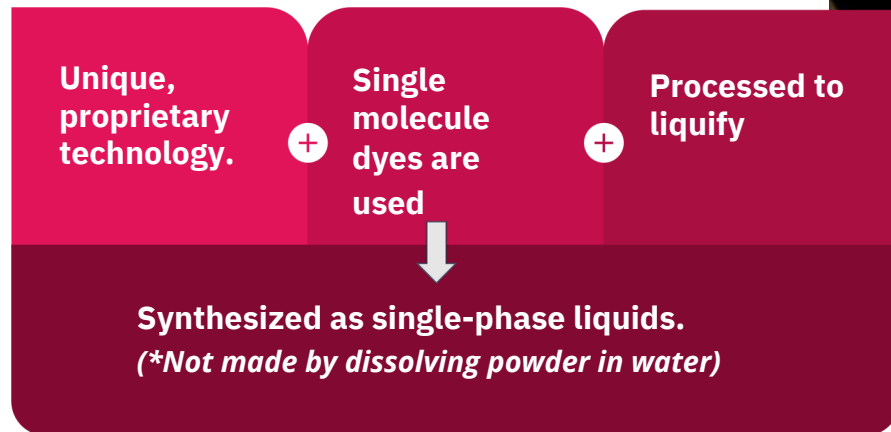


pH Range

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|



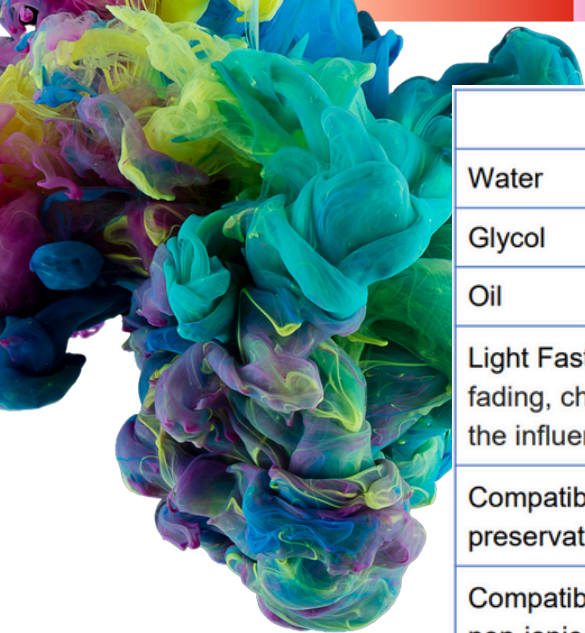
The Science & Technology...



Very high rinsability (washability) of the liquid dye seen while washing in just cold tap water & also there is no staining at all observed in hands.

**CRITERIA FOR A RINSABLE DYE MOLECULE :
RINSE OFF COMPLETELY WITH ONLY WATER**

- Big enough to not to penetrate through pores in substrate.
- Small enough to coat the surface of substrate.
- Not substantive to cellulose (not reactive with OXY (OH) groups).
- Not substantive to protein (not reactive to AMINO (NH₂) groups).



| Technical Parameters | Features |
|--|--|
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| Compatibility with fragrances and preservatives | 100% |
| Compatibility with most cationic, anionic, non-ionic, and quaternary systems. | 100% |
| Biodegradability | Completely biodegradable. *(Not expected to release any adverse substances into the environment due to the nature of their chemistry) |

Applications

These non-staining colourants are often used in products in which staining is of high concern such as:

- Children's art materials
- Portable toilet chemicals, Laundry detergent and laundry fabric softener, soaps, detergents & cleaners
- Water soluble fertilizers
- De-icing solutions and road salt
- Industrial, institutional and household cleaners and detergents
- In Sanitation chemicals, cleaning products like: **Fast-dissolving tablets, Gel-packets, RV Laundry, chemicals in landfill, foaming hand sanitizers.**



Other Supplies

Compatibility in fabric softener at **no risk..**

Higher concentration in rinsables at **no risk.**

Simple range & more versatile options

Good performance on both-skin & fabric.



iColor US



Compatibility in fabric softener at **no risk.**



Higher concentration in rinsables at **no risk.**



















Simple range & more versatile options



Good performance on **both** - skin & fabric.

HOME CARE & PERSONAL CARE

WATER SOLUBLE POWDER DYES

| Product Name | CI No | Shade |
|------------------------------|----------|--|
| ACID RED 1 | CI 18050 |  |
| Acid Yellow 17 | CI 18965 |  |
| Acid Red 87 | CI 45380 |  |
| Solvent Green 7 | CI 59040 |  |
| Acid Red 33 (D&C Red 33) | CI 17200 |  |
| Acid Red 92 (D&C Red 28) | CI 45410 |  |
| Acid Blue 80 | CI 61585 |  |
| Acid Blue 9 | CI 42090 |  |
| Acid Yellow 73 (Fluorescein) | CI 45350 |  |
| Acid Green 81 | --- |  |
| Acid Green 27 | CI 61580 |  |
| Acid Orange 7 | CI 15510 |  |
| FD&C Yellow 5 | CI 19140 |  |
| Acid Red 52 | CI 45100 |  |
| Reactive Orange 86 | --- |  |
| Acid Violet 43 | CI 60730 |  |



HOME CARE APPLICATIONS

- Toilet Cleaner
- Glass Cleaner
- Dish Wash Liquid
- Detergent
- Floor Cleaner

Shades are for Reference only. Clients are advised to check samples for shade matching











D&C WATER SOLUBLE COLORS

| Shade | Product Name | FD&C/D&C No. | C.I.No. | E-No. |
|---|-----------------------|------------------|---------|-------|
|  | Acide Orange 7 | D&C Orange 4 | 15510 | - |
|  | Acid Orange 11 | D&C Orange 5 | 45370 | - |
|  | Acid Fuchsine | D&C Red 33 | 17200 | - |
|  | Phloxine B (Na Salt) | D&C Red 28 | 45410 | - |
|  | Eosine | D&C Red 22 | 45380 | - |
|  | Quinoline yellow W.S. | D&C Yellow 10 | 47005 | - |
|  | Alizarine Purple Ext | Ext D&C Violet 2 | 60730 | - |
|  | Uranine (Na Salt) | D&C Yellow 8 | 45350 | - |




FD&C WATER SOLUBLE COLORS

| Shade | Product Name | FD&C/D&C No. | C.I.No. | E-No. |
|---|----------------|---------------|---------|-------|
|  | Fast Green FCF | FD&C Green 3 | 42053 | - |
|  | Ponceau SX | FD&C Red 4 | 14700 | - |
|  | Sunset Yellow | FD&C Yellow 6 | 15985 | E110 |
|  | Allura Red | FD&C Red 40 | 16035 | E129 |
|  | Tartrazine | FD&C Yellow 5 | 19140 | E102 |
|  | Brilliant Blue | FD&C Blue 1 | 42090 | E133 |
|  | Erythrosine | FD&C Red 3 | 45430 | E127 |
|  | Indigo Carmine | FD&C Blue 2 | 73015 | E132 |

EEC WATER SOLUBLE COLORS




















| Shade | Product Name | FD&C/D&C No. | C.I.No. | E-No. |
|---|-------------------------|--------------|---------|-------|
|  | Ponceau 4R Carmoisine | - | 16255 | E124 |
|  | Amaranth | - | 14720 | E122 |
|  | Brown HT | - | 16185 | E123 |
|  | Black PN | - | 20285 | E155 |
|  | Green S | - | 28440 | E151 |
|  | Green S | - | 20285 | E155 |
|  | Patent Blue V Quinoline | - | 42051 | E131 |
|  | Yellow W.S. | - | 47005 | E104 |

NON EEC & NON FD&C WATER SOLUBLE COLORS

| Shade | Product Name | FD&C/D&C No. | C.I.No. | E-No. |
|---|--------------|--------------|---------|-------|
|  | Acid Red 52 | - | 45100 | - |
|  | Acid Blue 80 | - | 61585 | - |
|  | Acid Blue 86 | - | 74180 | - |

LAUNDRY & DETERGENT

PIGMENT DYES

| Product Name | CAS No | Shade | Product Name | CAS No | Shade |
|-------------------|------------|---|-------------------|-------------|---|
| Pigment Red 2 | 6041-94-7 |  | Pigment Blue 15:3 | 147-14-8 |  |
| Pigment Red 5 | 6410-41-9 |  | Pigment Green 7 | 1328-53-6 |  |
| Pigment Red 53:1 | 5160-02-1 |  | Pigment Violet 23 | 215247-95-3 |  |
| Pigment Red 57:1 | 5281-04-9 |  | Pigment White 6 | 13463-67-7 |  |
| Pigment Red 112 | 6535-46-2 |  | Pigment Black 7 | 1333-86-4 |  |
| Pigment Red 122 | 980-26-7 |  | Pigment Yellow 1 | 2512-29-0 |  |
| Pigment Red 170 | 2786-76-7 |  | Pigment Yellow 12 | 6358-85-6 |  |
| Pigment Orange 13 | 3520-72-7 |  | Pigment Yellow 13 | 5102-83-0 |  |
| Pigment Orange 34 | 15793-73-4 |  | Pigment Yellow 74 | 6358-31-2 |  |
| Pigment Blue 15:1 | 147-14-8 |  | | | |

The selection of the colorant depends on the pH value (acidic, neutral or alkaline), the supply form (liquid, paste or powder) and other ingredients of the formulation (bleaching agents or fragrances). For colorant selection we recommend to carry out trials in each case and to observe local legislation. iColor offers a wide range of colorants for these applications. Please select colorants from our product lists for liquid cleaners and for powder cleaners

General F.A.Q's:

1. Can we target the home care market where they use either Non-FDA dyes or they use Food Color for FDA/Children Use?

A. Our rinse dye is ok for Home care & Industrial applications and Children Markers (inks).

2. How does iColor US compare Food Color Light fastness?

A. Fair to Avg light fastness as per acids dyes.

3. Is there any study for lightfastness especially in case of products kept in clear containers (vs Opaque bottles). As they are subjected to sunlight in shelves?

A. For consumer products with a clear packaging, the light fastness will perform as other peer acid dyes currently being used. Of course, having an opaque packaging will improve light fastness stability.

4. Concentration of the products? Do you disclose the color index you have used?

A. This is not a mixture with other colors with a color index. This is a NEW molecule not made from Powder dyes.

General F.A.Q's:

5. In terms of MSDS, do you name the composition?

A. iColorUS RINSE Dyes are single molecule products.

6. Is iColor US Rinse Dye FDA approved? Are they based on D&C and FD&C Dyes?

A. iColor US Rinse Dye is NOT FDA certified nor can be used in FDA applications. Our Rinse Dye is exclusively for Industrial Applications.

7. Is there more information about the Dye content and Content of Carrier in the systems? As they are liquids, how much water is there inside?

A. These are Polymeric Dyes, and we have NO water in our system. The synthesis/reaction of our liquid components (and other additives) results in the chromophore.

8. In the case of Azo Dyes. Are these mono azo, or double azo Dyes? Also Is the dye intrinsic in a polymeric carrier?

A. Mono and our dyes are not synthesized based on a solid/powder dyes.

9. The starting dye are solid?

A. No.

10. Which tests have been done with these products in terms of Regulatory?

A. We have done tests like EN 71/3 and EN 71/9.. Also tests like light fastness, pH.

11. Does iColor US Rinse Dye use any Basic Dyes, and Dyes with the problem of Michlers ketone?

A. No basic dyes have been used.



iCOLOR US LLC is the USA's most trusted supplier of high-quality Natural colors, food & cosmetics colors. Our products are mainly catering to industries like Cosmetics & Personal Care Products, Food colors, and Household products like Toothpaste, Deodorants, Soap, Shampoos, Hair Oil, Detergents, etc. The company has managed to become one of the largest suppliers in the country with a solid customer base in more than 30+ countries across the world. As a women-owned small business with WBENC Certification iCOLOR US LLC are the proud suppliers of the Food and Cosmetic Color Dyes. We are committed to evolve, innovate and give our customer's an edge by supplying them with the latest products. The demands for our products are increasing because we are very much dedicated to our services.

- WE CAN DO CUSTOMISE BLEND COLOR
- REPACKAGING OPTION AVAILABLE

READY STOCK AVAILABLE | 6500 SQ. FT WAREHOUSE
BUY OUR PRODUCTS ONLINE FOR RETAIL

CONTACT US

2910 North Arlington Heights Road,
Arlington Heights, IL - 60004
+1 (224) 380 4440sales@icolorus.com
+1 (224) 715-8384www.icolorus.com



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www.bondofcolours.com

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