

HANGZHOU HANHAO CHEMICAL CO., LTD

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TECHNICAL DATA SHEET

Product Description:

| | |
|------------------|--|
| Color Index: | Solvent Yellow 14 |
| C.I.No. | 12055 |
| CAS No. | 842-07-9 |
| EC NO. | 212-668-2 |
| Chemical Family | Monoazo Series |
| Chemical Formula | C ₁₆ H ₁₂ N ₂ O |

Technical Properties:

The product is orange transparent oil solvent dye. It is of good heat resistance, good light resistance and high tinting strength and bright color.

Application: (“☆” Superior, “○” Applicable, “△” Not recommend

| PS | HIPS | ABS | PC | RPVC | PMMA | SAN | AS | PA6 | PET |
|----|------|-----|----|------|------|-----|----|-----|-----|
| ☆ | ○ | △ | △ | ○ | ○ | ○ | △ | - | - |

Also used in coloring of shoes cream, floor wax, resin, printing ink and in color separation of oil products, also used in making fireworks and transparent paint.

Physical Properties

| Density(g/cm3) | Melting Point(°C) | Light fastness (in PS) | Recommended Dosage | |
|----------------|-------------------|------------------------|--------------------|----------------|
| | | | Transparent | Nontransparent |
| 0.3 | 132 | 5-6 | 0.025 | 0.05 |

Light Fastness: Consist of 1st to 8th grade, and the 8th grade is superior, the 1st grade is bad.

The heat resistance in PS can reach to 260℃

Degree of pigmentation: 0.05% dyes+0.1%titanium dioxide R

Solvent yellow 14 solubility in organic solvent at 20℃(g/l)

| Acetone | Butyl Acetate | Methylbenzene | Dichloromethane | Ethylalcohol |
|---------|---------------|---------------|-----------------|--------------|
| 25 | 30 | 80 | - | 4 |

Note: The above information is provided as guidelines for your reference only. The accurate effects should base on the test results in laboratory.