

# HANGZHOU HANHAO CHEMICAL CO., LTD

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## TECHNICAL DATA SHEET

### Product Description:

Color Index:	Solvent Red 1
C.I.No.	12150
CAS No.	1229-55-6
EC NO.	214-968-9
Chemical Family	Monoazo Series
Chemical Formula	C <sub>17</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>

### Technical Properties:

The product is oil solvent dye, its color varies from yellowish red to yellowish orange transparent oil solvent dye. It is of good heat resistance, good light fastness and high tinting strength.

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

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

Also used in coloring of grease, ink, paint, wax and stationery.

### Physical Properties

Density(g/cm3)	Melting Point(°C)	Light fastness (in PS)	Recommended Dosage	
			Transparent	Nontransparent
0.25	182	6-7	0.03	0.05

**Light Fastness:** Consist of 1<sup>st</sup> to 8<sup>th</sup> grade, and the 8<sup>th</sup> grade is superior, the 1<sup>st</sup> grade is bad.

**The heat resistance in PS can reach to 240℃**

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

**Solvent red 1 solubility in organic solvent at 20℃ (g/l)**

Acetone	Butyl Acetate	Methylbenzene	Dichloromethane	Ethylalcohol
3	3	6	-	0.5

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