



海宁市丽彩颜料化工有限公司  
Haining Licai Pigment Chemical Trade Co., Ltd.  
中国海宁市海昌南路 426 号 P.C.Code: 314400  
426 Haichangnan Road, Haining, Zhejiang, China.

## TECHNICAL DATA SHEET

**Product Name:** Solvent Yellow 82

**Color Index No.:** C.I Solvent Yellow 82

**Chemical Type:** Azo metal complex

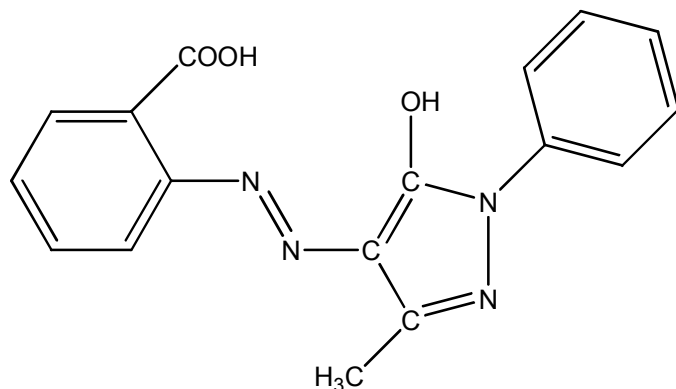
**CAS#:** 12227-67-7

**Formula:** C<sub>17</sub>H<sub>14</sub>N<sub>4</sub>O<sub>3</sub>

**Molecular Weight:** 322.32

**Molecular Structure:**

1:2 Chrome complex with following structure



**Other Trade Name:**

Bricosol Yellow KRV (HAYS)

Kalifast Yellow 4120 (KKK)

Neopen Yellow 157 (BASF)

**Character:** Has good compatibility and dissolubility in all kinds of organic solvent, synthetic and natural resin. Has excellent heat stability, light stability, dissolubility as well as strong stain ability.

**Use:** Mainly be used in dyeing resin, transparent paint, aluminium-foil paper, wood, blocking materials and leather.



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**Property and Performance:**

| Fastness  |       |      |        | Solubility (g/l) |          |             |         |         |            |               |
|-----------|-------|------|--------|------------------|----------|-------------|---------|---------|------------|---------------|
| M.P. (°C) | Light | Heat | Alkali | Xylene           | Methanol | Isopropanol | Ethanol | Butanol | Isobutanol | Ethyl Acetate |
| 180       | 7     | A    | A      | 150              | 50       | 5           | 80      | 25      | 500        | 100           |

|         |      |               |
|---------|------|---------------|
| Toluene | MIBK | Cyclohexanone |
| 150     | 500  | 500           |

**Specifications:**

| Item                             | Index               |
|----------------------------------|---------------------|
| Appearance                       | Yellow powder       |
| Strength (%)                     | 100 ± 3             |
| Shade                            | Similar to standard |
| Moisture (%)                     | 3.0 max             |
| Insoluble in organic solvent (%) | 0.3 max             |

It needs to be declared that the above data is based on our present knowledge and experience; owing to too many affecting factors, these data cannot be free from their check and test when processing and using the product.