

# TECHNICAL DATA SHEET (TDS)

## 技术数据 (TDS)

Product Name(产品名称): 透明橙 3G

C.I.(染料索引号):Solvent Orange 60

|  |   |                                     |  |                            |                   |
|--|---|-------------------------------------|--|----------------------------|-------------------|
| <b>Melting Point 熔点(°C):</b>   |   | 232 °C                              | <b>Starting Temperature of Sublimation 升华点(°C)</b> |                            | 264°C             |
| <b>Bulking Value 堆比重 (ml / g)</b>  |   | 15.9                                | <b>Physical Estate 物态</b>                          |                            | Solid Powder 固体粉末 |
| <b>Solubility in Water 水溶性</b>   |   | Insoluble in Water 不溶于水             |  | <b>Odour 汽味</b>            | Inodorous 无汽味     |
| <b>Resistance to Chemical ( 1 g / 20 ml / 24 hr )</b>  |   | <b>耐化学性</b><br>5: Excellent; 1:Poor |  | 5 % HCL                    | 5                 |
|  |   |                                     |  | 5 % NaOH                   | 5                 |
| ABS  | <b>Heat Stability 热稳定性</b>                                  | °C / min                            |  | 270 °C / 10 min            |                   |
|  | <b>Light Fastness 耐光性</b><br>8: Excelient; 1:Poor           | <b>Full Shade 饱和色</b>               |  | 5                          |                   |
|  |   | <b>Tint Shade 浅色</b>                |  | 5                          |                   |
|  | <b>Contract Bleed 迁移性</b>                                   | (5: Excelient; 1:Poor)              |  | 4 — 5                      |                   |
| GP-PS  | <b>Heat Stability 热稳定性</b>                                  | °C / min                            |  | 280 °C / 10 min            |                   |
|  | <b>Light Fastness 耐光性</b><br>8: Excelient; 1:Poor           | <b>Full Shade 饱和色</b>               |  | 8                          |                   |
|  |   | <b>Tint Shade 浅色</b>                |  | 8                          |                   |
|  | <b>Contract Bleed 迁移性</b>                                   | (5: Excelient; 1:Poor)              |  |                            |                   |
| PMMA   | <b>Heat Stability 热稳定性</b>                                  | °C / min                            |  | 250 °C / 10 min            |                   |
|  | <b>Light Fastness 耐光性</b><br>8: Excelient; 1:Poor           | <b>Full Shade 饱和色</b>               |  | 8                          |                   |
|  |   | <b>Tint Shade 浅色</b>                |  | 8                          |                   |
|  | <b>Contract Bleed 迁移性</b>                                   | (5: Excelient; 1:Poor)              |  |                            |                   |
| HI-PS  | <b>Heat Stability 热稳定性</b>                                  | °C / min                            |  | 280 °C / 10 min            |                   |
|  | <b>Light Fastness 耐光性</b><br>8: Excelient; 1:Poor           | <b>Full Shade 饱和色</b>               |  | 5 — 6                      |                   |
|  |   | <b>Tint Shade 浅色</b>                |  | 5 — 6                      |                   |
|  | <b>Contract Bleed 迁移性</b>                                   | (5: Excelient; 1:Poor)              |  | 4 — 5                      |                   |
| <b>Solubility 溶解性</b><br>g / ml  | Toluene 甲苯  | 1.05                                | <b>Pigmental Bleed 颜色 泳移性</b>                      | <b>Dyed 整体染色(0.1%) PS</b>  |                   |
|  | Ethyl Alcohol 乙醇  | 0.09                                |  | <b>Dyed 整体染色(0.1%) ABS</b> |                   |
|  | Ethyl Acetate 乙酸  | 0.18                                |  | <b>Dyed 整体染色(0.1%) SAN</b> |                   |
|  | Acetone 丙酮  | 0.14                                |  | <b>Dyed 整体染色(0.1%)PMMA</b> |                   |
|  | M.E.K. 丁酮   | 0.19                                |  | <b>Dyed 整体染色(0.1%) PC</b>  |                   |
|  | MMA Monomer   | 0.25                                |  | <b>Dyed 整体染色(0.1%) PVC</b> |                   |
| <b>Toxicity 毒性</b>   | <b>Acute Oral Toxicity 急性口服毒性 (LD50) Tested in Rat 大鼠试验</b> |                                     |  |                            | >10000 mg /kg     |
|  | <b>Skin Tolerance 皮肤适应性 Tested on Rabbits 家兔试验</b>          |                                     |  |                            | 微刺激               |
|  | <b>Mucous Membrane Tolerance 粘膜适应性 Rabbits Eye 家兔眼睛试验</b>   |                                     |  |                            | 微刺激               |
| <b>Extinguishing Media 灭火介质</b>  |   | Foam 泡沫                             | Dry Powder 干粉                                      | CO <sub>2</sub> 二氧化碳       |                   |
| <p>Solvent Orange 60 is a kind of innocuity solid powder, apyrous, inexplosive.<br/> It is packed in cardboard drum or iton drum,inner linde with double plastic bags.<br/> It can't burnt or explode when it is during storage or transportation.<br/> It will be carefully used. In order to avoid powder pollution, workers should wear appliances for labour protection, such as gloves, gas defence masks etc.<br/> 透明橙 3G 是一种无毒无害、不易燃烧、不爆炸的固体粉末, 它由内衬两层塑料袋的纸板桶或铁桶包装。在储存和运输过程中不会引起燃烧或爆炸。在使用过程中, 建议操作工人佩戴手套、防尘等劳保用品。</p> |   |                                     |  |                            |                   |