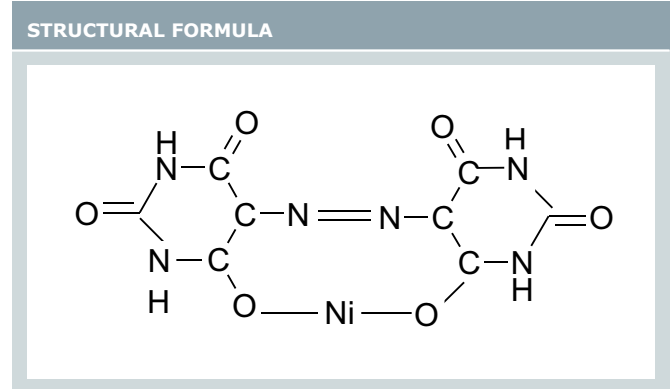
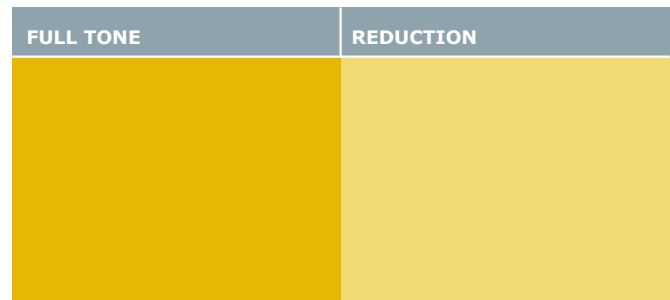


| PRODUCT DESCRIPTION | | |
|---------------------|--------------------|------------------|
| Color Index | Pigment yellow 150 | |
| C.I. No. | 12764 | |
| Chemical Type | Azo Ni-Complex | |
| CAS No. | 68511-62-6 | |
| Hue Angle [1/3 SD] | 91.1 | DIN EN ISO 53235 |

| PHYSICAL DATA | | |
|--------------------------------------|---------------|-------------------|
| Appearance | Yellow Powder | |
| Density [g/cm ³] | 1.8 | DIN EN ISO 787-10 |
| Bulk Volume [ltr/kg] | 2.3 | DIN 53194 |
| Specific Surface [m ² /g] | 93.9 | DIN EN ISO 66132 |

| FASTNESS PROPERTIES | | |
|--------------------------------|-----|--------------------|
| Acid | 3-4 | DIN EN ISO 787-4 |
| Alkali | 4 | DIN EN ISO 787-4 |
| Water | 4 | DIN EN ISO 2836 |
| Ethanol | 5 | DIN EN ISO 2836 |
| Ethyl Acetate | 5 | DIN EN ISO 2836 |
| MEK | 5 | DIN EN ISO 2836 |
| Toluene | 5 | DIN EN ISO 2836 |
| DOP | 4 | DIN EN ISO 2836 |
| Paraffin | 5 | DIN 16524-31965 |
| Butter | 5 | DIN 16524-31965 |
| Soap | 5 | DIN 16524-31965 |
| Light Fastness 1/3 SD (print) | 8 | DIN EN ISO 105-B01 |
| Light Fastness 1/25 SD (print) | 8 | DIN EN ISO 105-B01 |
| Heat Resistance [°C] | 200 | |

| STANDARD PACKAGING | |
|---|--|
| - 30kg Cardboard Boxes | |
| - Different types of packaging are available on request | |



| APPLICATION PROFILE | |
|-------------------------------|-------------|
| Offset | - |
| Publication Gravure | - |
| Gravure / Flexo, solventborne | - |
| Gravure / Flexo, waterborne | recommended |
| Decorative Laminates | recommended |

| REGULATIONS | |
|---|------------|
| Germany BfR recom. IX | Compliant |
| AP 89/1 | Compliant |
| USA (FDA) 21 CFR § 178.3297 | Not Listed |
| Toys Europe EN 71-3:2013 | n.a |
| Toys USA ASTM F 963-03 | Compliant |
| CONEG, EC 94/62 | Compliant |
| ROHS, 2002/95/E, 2005/618/EC | Compliant |
| End of Life Vehicles, 2000/53/EC, 2002/525/EC | Compliant |

| CHEMICAL INVENTORY LISTING STATUS |
|---|
| All ingredients are listed in the following national chemical inventories: EINECS [Europe], TSCA [USA], DSL [Canada], AICS [Australia], NZIoC [New Zealand], MITI [Japan], ECL [Korea], IECSC [China], PICCS [Philippines] |

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