

45350 Manganese Violet

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| Chemical Name: | Manganese (III) Ammonium Pyrophosphate |
| Color Index: | C.I. Pigment Violet 16 : 77742 |
| C.A.S. No.: | 10101-66-3 |
| EINECS No.: | 2-332-574 |

Specification:

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|--|--------------------|
| Color scale (Brightened 1:5 with TiO ₂ in linseed oil against standard) | |
| DL* | max. ± 0.30 CIELab |
| DH* | max. ± 1.00 CIELab |
| DC* | max. ± 1.30 CIELab |
| DE* | max. 1.50 CIELab |
| Screen oversize (45 µm) | max. 0.10 % |
| Volatile parts (105°C) | max. 1.00 % |
| Water soluble parts: | max. 1.00 % |

Typical Data:

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|------------------------------------|------|
| Coloring strength: | 73 |
| Density: | 2.70 |
| Bulk density (g/cm ³): | 0.60 |
| Oil value: | 33.0 |
| Average particle size (µm): | 2.30 |

Fastness:

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|---|------------------------------------|
| Temperature resistency (pigment in air): | 250°C max. |
| Lightfastness, full shade (Xenon lamp and day light): | excellent (7/8, BS 1006 Wollskala) |
| Light fastness, brightened: | excellent (7/8, BS 1006 Wollskala) |
| Alkali fastness: | weak |
| Acid resistency: | good |

Safety:

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| Acute oral toxicity: | > 10 g/kg |
| Skin irritation: | not irritating and not sensitizing |
| Eye irritation: | not irritating |
| Exposure limits: | 10 mg/m ³ / 8 hrs. total inhalable dust |
| Ecology: | not hazardous |

Regulations:

Manganese violet corresponds to EN 71, part 3.

Heavy Metal Content:

| Element | mg/kg (ppm) |
|----------------|--------------------|
| Antimony Sb | < 0,5 |
| Arsenic As | < 1 |
| Barium Ba | < 20 |
| Cadmium Cd | < 1 |
| Chromium VI Cr | < 25 |
| Lead Pb | < 1 |
| Mercury Hg | < 0,01 |
| Selenium Se | < 1 |
| Nickel Ni | < 10 |