


Technical Data Sheet

Date: 01.06.2025

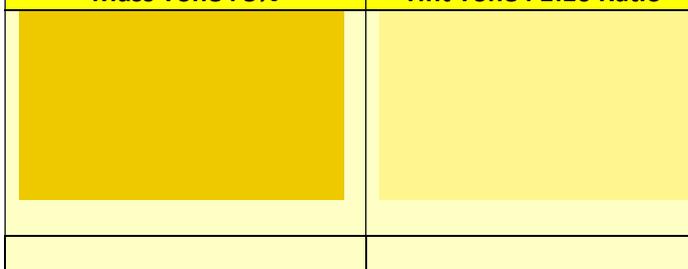
Revision : 06

Product Description

| | | | |
|---|------------------|-------------------|---------------------|
| C.I Generic Name | Pigment Yellow 1 | NPPL Product Code | Navfast Yellow 9021 |
| C.I No. | 11680 | CAS No. | 2512-29-0 |
| EINECS No. | 219-730-8 | Chemical Type | Monoazo |
| Molecular Formula | C17H16N4O4 | Molecular Weight | 340.33334 |
| Chemical Name: 2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide | | | |

Physical Properties

| | |
|-------------------------------|-----------|
| Sieve Residue (PPM) Max. | 500 |
| Oil Absorption (%) | 50-70 |
| Bulk Density (gms/cc) | 0.20-0.35 |
| Water Soluble Matter (%) | <1 |
| Moisture Content (%) Max. | 1 |
| Conductivity μ S/CM (max) | 500 |
| PH Value | 6.0 – 7.0 |

Mass Tone : 5%
Tint Tone : 1:10 Ratio

Fastness properties

| | |
|-------------------|-------|
| Heat °C | 180°C |
| Light Mass Tone | 7 |
| Light Tint Tone | 5 |
| Weather Mass Tone | 3-4 |
| Weather Tint Tone | 2 |
| Migration | 3 |

Solvent Fastness properties

| | |
|---------------|---|
| Water | 5 |
| Ethanol | 2 |
| Ethyl Acetate | 4 |
| MEK | 3 |
| Acid | 5 |
| Alkali | 5 |

Application

| | |
|-------------------|---------------------|
| Air Drying Enamel | • |
| Water Based Flexo | • |
| Textile Printing | • |
| Decorative Paints | • |
| Coldset | o |
| • | Suitable |
| o | Limited Suitability |

Specification

| | |
|-------------------------------|----------------------------|
| Coloristic properties -Tint | Strength : \pm 5 % |
| Coloristic properties - Tint | DA,DB,DE,DC,DH,DL: \pm 1 |
| Light fastness : Scale 1- 8 | 1~Poor & 8 ~ Excellent |
| Weather fastness : Scale 1- 5 | 1~Poor & 5 ~ Excellent |
| Overspray : Scale 1- 5 | 1~Poor & 5 ~ Excellent |
| Solvent Fastness: Scale 1- 5 | 1~Poor & 5 ~ Excellent |

Note: The colors above have been generated electronically and should therefore not be used for comparison purposes. The colors are meant to give a first impression of the colorant shade.

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our Product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.



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