


TECHNICAL DATA SHEET

Date: 01.09.2024

Revision : 05

Product Description

C.I Generic Name	PIGMENT RED 3	NPPL Product Code	Navfast Red 9041
C.I No.	12120	CAS No.	2425-85-6
EINECS No.	219-372-2	Chemical Type	Mono Azo
Molecular Formula	C17H13N3O3	Molecular Weight	307.31
Chemical Name: 1-(4-methyl-2-nitrophenylazo)-2-naphthol			

Physical Properties

Sieve Residue (PPM) Max	500
Oil Absorption (gms)	55 - 70
Bulk Density	1.4 gm/cm3
Sieve Residue on 45 µ	<1%
Moisture Content (%) Max	1

Mass Tone : 5%

Tint Tone : 1:10 Ratio

Fastness properties

Heat °C	180 for 20 min
Light Mass Tone	7
Light Tint Tone	4-5
Weather Mass Tone	4
Weather Tint Tone	1-2
Migration	3

Solvent Fastness properties

Water	5
Ethanol	3
Ethyl Acetate	4
MEK	3
Acid	5
Alkali	5

Application

Decorative Paints	
Industrial Paints	
Water Based Flexo Printing	
Wax Crayons	

Specification

Coloristic properties - Tint	Strength : ± 5 %
Coloristic properties - Tint	DA,DB,DE,DC,DH,DL: ± 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.

NAVPAD PIGMENTS PVT. LTD.

A Govt. Of India Recognized Star Export House

Regd. Office & Factory: 1196/1/A & B, Ghumasan Patia Road,
Chhatral - Mehsana Highway, Rajpur - 382715, Gujarat, India

T: +91-982-503-1388 / +91-2764-278338

E: exports@navpadpigments.com W: www.navpadpigments.com

