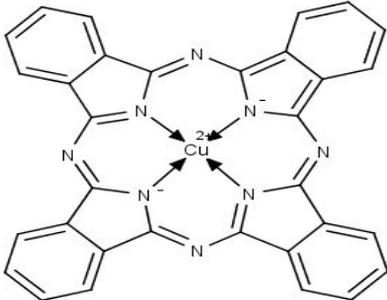


Material Safety Data Sheet

Pigment Blue 15:4

Date:- 01.06.2025

Section 1 - Identification of the Substance and of the Company	
1.1 Identification of the substance	
Product / Substance Name	Pigment Blue 15.4 29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper
EC #	205-685-1
CAS #	147-14-8
Trade Name	Navfast Blue 9250 / Navfast Blue 9450
REACH Registration	01-2119458771-32-0073
Chemical Formula	C ₃₂ H ₁₆ CuN ₈
Structural Formula	
1.2 Use of the Substance/Mixture :	
Plastics, Paints, Rubber & Ink Applications Coloring agents, pigments	
1.3 Company/undertaking identification :	
Manufacturer Details:	Navpad Pigments Private Limited Survey No 2135, Village Rajpur, Ghumasan Patia Road, Chhatral-Mehsana Highway, Rajpur 382715 Gujarat, India, Website: www.navpadpigments.com
Only Representative Details	Pharmegic Healthcare Limited 6th Floor, Konstitucijos av. 21A, Vilnius, 08130, Lithuania
1.4 Emergency Telephone	

Emergency Telephone & Contact	Contact person : Anshul Shah Phone : + 91 7069024447 Email : sales@navpadpigments.com
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CIN No: U24220GJ1998PTC033736

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Section 2 - Hazard Identification					
2.1 Classification according to Regulation (EC) No 1272/2008 (CLP)					
Substance is classified as per CLP regulation.					
Hazard Class and Category Code(s)		Not classified			
Hazard statement Code(s)		Not classified			
2.2. Labeling according to Regulation (EC) No 1272/2008 (CLP)					
Hazard Pictogram (Signal Word: No Signal Word)		Not classified			
Hazard Statements		Not classified			
Precautionary Statements		P261: Avoid breathing dust /fume /gas /mist/ vapours/ spray P264: Wash thoroughly after handling P270: Do not eat, drink or smoke when using this product P280: Wear protective gloves/protective clothing/eye protection /face protection.			
2.3. Other hazards		None			
Section 3 - Composition/Information on Ingredients					
Constituent	CAS No.	EC No.	Typical concentration	Concentration range	Remarks
29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	147-14-8	205-685-1	99.2 % w/w	99 % = < 99.5% w/w	None
Section 4 - First Aid Measures					
4.1 Description of First Aid measures:					
Eye contact	Wash affected eyes for at least 15 minutes under running water with eyelids held open.				
Skin Contact	Wash thoroughly with soap and water.				
Inhalation	If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.				
Ingestion	Rinse mouth and then drink plenty of water.				
4.2. Most important symptoms and effects, both acute and delayed					
Not defined					
4.3. Indication of any immediate medical attention and special treatment needed					
Treat according to the symptoms					


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Section 5 - Fire-Fighting Measures	
5.1. Extinguishing media: dry extinguishing media, foam	
Unsuitable Extinguishing media: carbon dioxide	
5.2. Special hazards arising from the substance or mixture harmful vapours Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.	
5.3. Advice for fire-fighters Wear a self-contained breathing apparatus. The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.	
Section 6 - Accidental Release Measures	
6.1. Personal precautions, protective equipment and emergency procedures	
Personal Protective Equipment	Avoid dust formation. Use personal protective clothing.
Skin Protection	No data available
Respiratory Protection	No data available
6.2. Environmental precautions Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.	
6.3. Methods and material for containment and cleaning For small amounts: Pick up with suitable appliance and dispose of. For large amounts: Contain with dust binding material and dispose of. Avoid raising dust.	
Section 7 - Handling & Storage	
7.1 Precautions for safe handling Breathing must be protected when large quantities are decanted without local exhaust ventilation.	
7.2 Conditions for safe storage Keep container tightly closed and dry; store in a cool place.	
7.3 Specific end use(s): As mentioned in section 1.2	


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Section 8 – Exposure Controls/Personal Protection	
8.1 Control parameters:	
No substance-specific limiting value being known.	
8.2 Exposure Control:	
Engineering measures	No data Available
General safety and hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. In order to prevent contamination while handling, closed working clothes and working gloves should be used.
Respiratory Protection:	Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)
Hand Protection	No data Available
Eye protection	Safety glasses with side-shields (frame goggles) (e.g. EN 166)
Skin protection	No data Available
Section 9 – Physical & Chemical Properties:	
9.1 General Information:	
Physical state	Solid
Color	Blue powder
Odour	Odourless
pH(50 g/l (20°C))	Ph is not relevant, substance has no ionic character
Molecular Weight	576.08
Boiling point/boiling range	Not specified
Melting point	480°C at 1013hPa
Auto ignition point	356°C at atm. Press. Of 1013.0 hPa
Density	1.62
Vapour pressure	0.018 hPa at 475°C
Vapour density	No data available
Viscosity	No data available
Solubility in organic solvent n-octanol	0.1-0.4 µg/L at 23 °C

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log Po/w	- 0.4 at 23 °C	
Index of refraction	No data available	
Section 10 - Stability and Reactivity		
Reactivity	No data available	
Chemical stability	No data available	
Possibility of hazardous reactions	The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions	
Thermal decomposition	>250°C	
Conditions to avoid	Avoid humidity.	
Incompatible materials	No data available	
Hazardous decomposition products	No hazardous decomposition products if stored and handled as prescribed/indicated.	
Section 11 - Toxicological Information		
11.1 Information on toxicological effects:		
Method	Duration	Results
Rat (Sprague-Dawley) male/female oral: Gavage (acute toxicity : oral)	14 days	LD50:> 6400 mg/kg bw
Rat (Wistar) male Dermal : depilated area of skin (acute toxicity : Dermal)	24 h	LD50:> 5000 mg/kg bw
Mouse male/female oral : intraperitoneal (acute toxicity : other routes)	14 days	LD50:> 2000 mg/kg bw
11.2 Irritation Corrosion		
Skin: not irritating		
Eye: not irritating		
11.3 Sensitization		
Not sensitizing to skin		
11.4 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)		
Carcinogenicity	Not found as carcinogen	
Mutagenic effects	Not found as mutagen	
Reprotoxic effects	Not found as reprotoxic	


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11.5 Other toxic effects on humans:		
Inhalation	No data available	
Dermal	No data available	
Acute oral toxicity	No data available	
11.6 NIOSH Immediately Dangerous To Life or Health Concentration (IDLH):		
No information available		
11.7 Specific target organ toxicity		
Single exposure	No data available	
Repeated exposure	No data available	
Section 12 - Ecological Information		
12.1 Ecotoxicity:		
Toxicity	Duration	Endpoint with effective conc.
Species : Danio rerio Water media: freshwater test type : static OECD guidelines 203 (fish, short term toxicity test)	96 h	LC50: > 100 mg/L test mat. (nominal)
Species : Daphnia magna Water media: freshwater test type : static The test follows the EU Directive 79/831/EEC, Annex V, Part C, which is comparable to the OECD guideline 202 (short term toxicity to aquatic invertebrates)	48 hr	E50: > 500 mg/L (nominal)
Species : Danio magna Water media: freshwater test type : static OECD guidelines 211 (Daphnia magna reproduction test, long term term toxicity test to aquatic invertebrates)	21 d	EC50: > 1 mg/L (nominal)
Species : Desmodesmus subspicatus	72 h	EC50: > 100 mg/L. (nominal)

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Water media: freshwater test type : static OECD guidelines 201 (alga, growth inhibition test)		
12.2 Persistence and degradability:		
No persistent and cumulative effects were observed		
12.3 Bioaccumulative potential:		
Not B/vB		
12.4 Mobility in soil:		
PNEC Soil : 1 mg/kg soil dw		
12.5 Results of PBT and vPvB assessment		
The substance is not PBT / vPvB		
12.6 Other adverse effects: No information available		
Section 13 - Disposal Considerations		
Must be dumped or incinerated in accordance with local regulations.		
Contaminated packaging: Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.		
Section 14: Transport Information		
Not classified		
Section 15 - Regulatory Information		
15.1 Other regulatory information:		
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.		
Safety, health and environmental regulations/legislation specific for the substance or mixture		
Control of Substances Hazardous to Health Regulations (COSHH) 2002 SI 2002/2677 and COSHH Essentials: Easy steps to control chemicals - Control of Substances Hazardous to Health Regulations HSG193.		
Inventory Status		
Listed in: Australia (AICS) Canada (DSL/NDSL) China (IECSC) European Union (EINECS/ELINCS) South Korea (KECI) Philippines (PICCS) New Zealand Inventory (NZIoC)		

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HMIS (Hazardous Materials Identification system) classification	Health 2
	Fire 1
	Reactivity 0
	Personal Protection E
	<div style="background-color: #0056b3; color: white; padding: 2px;">2 = Temporary or minor injury may occur</div> <div style="background-color: #ff0000; color: white; padding: 2px;">1 = Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 °F (93 °C)</div> <div style="background-color: #ffff00; padding: 2px;">0 = Normally stable, even under fire exposure conditions, and is not reactive with water</div>
	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Safety Glasses </div> <div style="text-align: center;">  Gloves </div> <div style="text-align: center;">  Dust Respirator </div> </div>

15.2 Chemical Safety Assessment:

A chemical safety assessment has been carried out for the substance or the mixture by the supplier (LR) -Yes

Section 16 – Other Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, Storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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16.1 Technical Advice:

Use data given in this Safety Data Sheet and make an inventory list of all chemicals used in the factory

Create a Register for Workplace Chemicals;

Set priorities concerning the safety in the organization

Create emergency plans for the assessed hazards;

Organize occupational health care and regular surveys as necessary;

Organize contacts with authorities/laboratories to create a monitoring system for chemical hazards, and to reliably measure and/or estimate occupational exposures to chemicals when needed;

Start collecting case studies of accidents and sickness records in the enterprise to create a basis for priority measures in the control of hazards;

Involve workers in safety organizations, such as the system of Safety Representatives and Committees.

Do regular inspection using checklists made for the particular chemicals and chemical processes in use;

Mark and label all chemicals;

Keep at hand an inventory list of all chemicals handled in the place of work together with a collection of Chemical Safety Data Sheets for these chemicals;

Train workers to read and understand the Chemical Safety Information, including the health hazards and routes of exposure; train them to handle dangerous chemicals and processes with respect;

Plan, develop and choose the safe working procedures;

Reduce the number of people coming into contact with dangerous chemicals;

Reduce the length of time and/or frequency of exposure of workers to dangerous chemicals;

Train workers to know and understand the emergency procedures;

Equip and train workers to use personal protective equipment properly after everything possible has been done to eliminate hazards by means of other methods;

16.2 List of relevant R-phrases

Not Classified

Created By: Navpad Pigments Private Limited

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