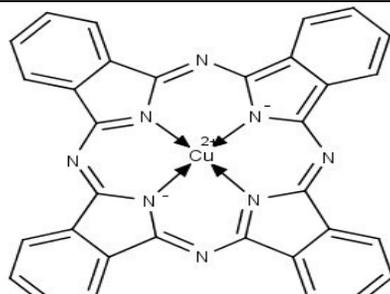


## Material Safety Data Sheet

Pigment Blue 15:0

Date:- 01.06.2025

<b>Section 1 - Identification of the Substance and of the Company</b>	
<b>1.1 Identification of the substance</b>	
<b>Product / Substance Name</b>	Pigment Blue 15.0 29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper
<b>EC #</b>	205-685-1
<b>CAS #</b>	147-14-8
<b>Trade Name</b>	Navfast Blue 9100 / Navfast Blue 9100-P Navfast Blue 9100-C / Navfast Blue 9100-E
<b>REACH Registration</b>	01-2119458771-32-0073
<b>Chemical Formula</b>	C <sub>32</sub> H <sub>16</sub> CuN <sub>8</sub>
<b>Structural Formula</b>	
<b>1.2 Use of the Substance/Mixture :</b>	
Plastics, Paints, Rubber & Ink Applications Coloring agents, pigments	
<b>1.3 Company/undertaking identification :</b>	
<b>Manufacturer Details:</b>	Navpad Pigments Private Limited Survey No 2135, Village Rajpur, Ghumasan Patia Road, Chhatral-Mehsana Highway, Rajpur 382715 Gujarat, India, Website: <a href="http://www.navpadpigments.com">www.navpadpigments.com</a>
<b>Only Representative Details</b>	Pharmegic Healthcare Limited 6th Floor, Konstitucijos av. 21A, Vilnius, 08130, Lithuania
<b>1.4 Emergency Telephone</b>	

<b>Emergency Telephone &amp; Contact</b>	Contact person : Anshul Shah Phone : + 91 7069024447 Email : <a href="mailto:sales@navpadpigments.com">sales@navpadpigments.com</a>
--	---



CIN No: U24220GJ1998PTC033736

### NAV PAD 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](mailto:exports@navpadpigments.com) W: [www.navpadpigments.com](http://www.navpadpigments.com)



<b>Section 2 - Hazard Identification</b>					
<b>2.1 Classification according to Regulation (EC) No 1272/2008 (CLP)</b>					
Substance is classified as per CLP regulation.					
Hazard Class and Category Code(s)		Not classified			
Hazard statement Code(s)		Not classified			
<b>2.2. Labeling according to Regulation (EC) No 1272/2008 (CLP)</b>					
<b>Hazard Pictogram (Signal Word: No Signal Word)</b>		Not classified			
<b>Hazard Statements</b>		Not classified			
<b>Precautionary Statements</b>		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.			
<b>2.3. Other hazards</b>		None			
<b>Section 3 - Composition/Information on Ingredients</b>					
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
<b>Section 4 - First Aid Measures</b>					
<b>4.1 Description of First Aid measures:</b>					
<b>Eye contact</b>	Wash affected eyes for at least 15 minutes under running water with eyelids held open.				
<b>Skin Contact</b>	Wash thoroughly with soap and water.				
<b>Inhalation</b>	If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.				
<b>Ingestion</b>	Rinse mouth and then drink plenty of water.				
<b>4.2. Most important symptoms and effects, both acute and delayed</b>					
Not defined					
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>					
Treat according to the symptoms					


**NAV PAD 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



<b>Section 5 - Fire-Fighting Measures</b>	
<b>5.1. Extinguishing media:</b> dry extinguishing media, foam	
<b>Unsuitable Extinguishing media:</b> carbon dioxide	
<b>5.2. Special hazards arising from the substance or mixture</b>	
Harmful vapours Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.	
<b>5.3. Advice for fire-fighters</b>	
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.	
<b>Section 6 - Accidental Release Measures</b>	
<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
<b>Personal Protective Equipment</b>	Avoid dust formation. Use personal protective clothing.
<b>Skin Protection</b>	No data available
<b>Respiratory Protection</b>	No data available
<b>6.2. Environmental precautions</b>	
Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.	
<b>6.3. Methods and material for containment and cleaning</b>	
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.	
<b>Section 7 - Handling &amp; Storage</b>	
<b>7.1 Precautions for safe handling</b>	
Breathing must be protected when large quantities are decanted without local exhaust ventilation.	
<b>7.2 Conditions for safe storage</b>	
Keep container tightly closed and dry; store in a cool place.	
<b>7.3 Specific end use(s):</b>	
As mentioned in section 1.2	


**NAV PAD 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

<b>Section 8 – Exposure Controls/Personal Protection</b>	
<b>8.1 Control parameters:</b>	
No substance-specific limiting value being known.	
<b>8.2 Exposure Control:</b>	
<b>Engineering measures</b>	No data Available
<b>General safety and hygiene measures:</b>	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.
<b>Respiratory Protection:</b>	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)
<b>Hand Protection</b>	No data Available
<b>Eye protection</b>	Safety glasses with side-shields (frame goggles) (e.g. EN 166)
<b>Skin protection</b>	No data Available
<b>Section 9 – Physical &amp; Chemical Properties:</b>	
<b>9.1 General Information:</b>	
<b>Physical state</b>	Solid
<b>Color</b>	Blue powder
<b>Odour</b>	Odourless
<b>pH(50 g/l (20°C))</b>	Ph is not relevant, substance has no ionic character
<b>Molecular Weight</b>	576.08
<b>Boiling point/boiling range</b>	Not specified
<b>Melting point</b>	480°C at 1013hPa
<b>Auto ignition point</b>	356°C at atm. Press. Of 1013.0 hPa
<b>Density</b>	1.62
<b>Vapour pressure</b>	0.018 hPa at 475°C
<b>Vapour density</b>	No data available
<b>Viscosity</b>	No data available
<b>Solubility in organic solvent n-octanol</b>	0.1-0.4 µg/L at 23 °C

**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

ISO 9001 : 2015



ISO 14001 : 2015





<b>log Po/w</b>	- 0.4 at 23 °C	
<b>Index of refraction</b>	No data available	
<b>Section 10 - Stability and Reactivity</b>		
<b>Reactivity</b>	No data available	
<b>Chemical stability</b>	No data available	
<b>Possibility of hazardous reactions</b>	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	
<b>Thermal decomposition</b>	>250°C	
<b>Conditions to avoid</b>	Avoid humidity.	
<b>Incompatible materials</b>	No data available	
<b>Hazardous decomposition products</b>	No hazardous decomposition products if stored and handled as prescribed/indicated.	
<b>Section 11 - Toxicological Information</b>		
<b>11.1 Information on toxicological effects:</b>		
<b>Method</b>	<b>Duration</b>	<b>Results</b>
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
<b>11.2 Irritation Corrosion</b>		
<b>Skin:</b> not irritating		
<b>Eye:</b> not irritating		
<b>11.3 Sensitization</b>		
Not sensitizing to skin		
<b>11.4 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)</b>		
<b>Carcinogenicity</b>	Not found as carcinogen	
<b>Mutagenic effects</b>	Not found as mutagen	
<b>Reprotoxic effects</b>	Not found as reprotoxic	


**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

<b>11.5 Other toxic effects on humans:</b>		
<b>Inhalation</b>	No data available	
<b>Dermal</b>	No data available	
<b>Acute oral toxicity</b>	No data available	
<b>11.6 NIOSH Immediately Dangerous To Life or Health Concentration (IDLH):</b>		
No information available		
<b>11.7 Specific target organ toxicity</b>		
<b>Single exposure</b>	No data available	
<b>Repeated exposure</b>	No data available	
<b>Section 12 - Ecological Information</b>		
<b>12.1 Ecotoxicity:</b>		
<b>Toxicity</b>	<b>Duration</b>	<b>Endpoint with effective conc.</b>
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)

**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



Water media: freshwater test type : static OECD guidelines 201 (alga, growth inhibition test)		
<b>12.2 Persistence and degradability:</b>		
No persistent and cumulative effects were observed		
<b>12.3 Bioaccumulative potential:</b>		
Not B/vB		
<b>12.4 Mobility in soil:</b>		
PNEC Soil : 1 mg/kg soil dw		
<b>12.5 Results of PBT and vPvB assessment</b>		
The substance is not PBT / vPvB		
<b>12.6 Other adverse effects:</b> No information available		
<b>Section 13 - Disposal Considerations</b>		
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.		
<b>Section 14: Transport Information</b>		
Not classified		
<b>Section 15 - Regulatory Information</b>		
<b>15.1 Other regulatory information:</b>		
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.		
<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>		
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.		
<b>Inventory Status</b>		
Listed in: Australia (AICS) Canada (DSL/NDSL) China (IECSC) European Union (EINECS/ELINCS) South Korea (KECI) Philippines (PICCS) New Zealand Inventory (NZIoC)		


**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



<b>HMIS</b> <b>(Hazardous Materials</b> <b>Identification system)</b> <b>classification</b>	<b>Health</b> <b>2</b>
	<b>Fire</b> <b>1</b>
	<b>Reactivity</b> <b>0</b>
	<b>Personal Protection</b> <b>E</b>
	<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;">   <b>Safety Glasses</b> </div> <div style="text-align: center;">   <b>Gloves</b> </div> <div style="text-align: center;">   <b>Dust Respirator</b> </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.

ISO 9001 : 2015



ISO 14001 : 2015



### NAVVPAD 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

**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**

**NAV PAD 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](mailto:exports@navpadpigments.com) W: [www.navpadpigments.com](http://www.navpadpigments.com)