

# Safety Data Sheet

(Commission Regulation (EU) 2020/878 of 18 June 2020  
 Amending Annex II to Regulation (EC) No 1907/2006)

## 1. Product Identifier

Commercial Name	:	Pigment Blue 15:1
Trade Name	:	Navfast Blue 9085/Navfast Blue 9085-P Navfast Blue 9085-E/ Navfast Blue 9085-C
CAS #	:	147-14-8
EC #	:	205-685-1
Use of the substance/Mixture	:	Inks & Coatings, used in ink, toners, paints, Coloring agent, rubber, plastic, and textile industries
Registration Number	:	01-2119458771-32-0073
<u>Manufacturer</u>	:	Navpad Pigments Private Limited 1196/1/A&B, Ghumasan Patia Road, Chhatral Mehsana Highway, Rajpur Pincode 382715, Gujarat, India
Phone for Contact	:	+ 91 7069024447
Email	:	sales@navpadpigments.com
Emergency phone number (24hr)	:	+ 91 9898570095

## 2. Label Elements

Labelling according to regulation (EC) No. 1272/2008 – Not Applicable

Classification according to regulation (EC) No 1272/2008 (CLP)

Hazard pictograms - No Pictogram

Signal word - No signal word

Hazard statement - Not Applicable

### Other Hazards

The substance has no endocrine-disrupting properties according to regulation (eu) 2017/2100

Results of PBT and vPvB assessment

PBT: The substance is not PBT

VPvB: The substance is not vPvB



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,  
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### 3. Composition / Information on Ingredients

Constituent	CAS #	EC #	Additional Information	Synonyms
Copper,[29H-phthalocyanineato(2-)-N29,N30,N31,N32]-, (SP-4-1)-	147-14-8	205-685-1	Molecular formula – C <sub>32</sub> H <sub>16</sub> CuN <sub>8</sub> Molecular Weight 576.07/g/mol	Copper Phthalocyanine, Pigment Blue 15

SVHC – The substance is not in the SVHC list.

### 4. First Aid Measures

General Advice	:	Seek Medical assistance if discomfort continues.
Eye Contact	:	Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.
Skin Contact	:	In case of contact with skin, clean with soap and water.
Inhalation	:	Remove the casualty into fresh air and keep him calm.
Ingestion	:	If swallowed do not induce vomiting, seek medical advice. And show safety data sheet or label.

Most important symptoms and effects, both acute and delayed: No symptoms known currently.

Indication of any immediate medical attention and special treatment needed:

Treat Symptomatically.



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## 5. Fire Fighting Measures

### Extinguishing Media

Suitable extinguishing media : Water spray jet foam  
Unsuitable extinguishing media : High Volume water jet  
Carbon dioxide (Co2)  
Dry Powder

Special hazards arising from the substance or mixture

Specific hazards during firefighting

In case of fires, hazardous combustion gases are formed. Carbon monoxide (CO), Carbon dioxide (Co2)

Nitrogen oxides (NOx), Hydrogen chloride emits toxic fumes under fire conditions. This product presents no unusual fire or explosion hazards

while sealed in a shipping container. During usage, if a dust cloud is generated, organic powders have the potential to be explosive with static spark or flame.

### Advice for firefighters

Special protective equipment for firefighters

Self-contained breathing apparatus.

## 6. Accidental release measures

Personal Care for non-medical staff / medical staff

Wear suitable protective equipment/clothing. Environmental protection.

The product should not be allowed to enter drains, water courses or the soil.

Avoid dust formation. Risk of dust explosion.

Take measures to prevent the build-up of electrostatic charge.

Treat covered material as described in the section "Disposal considerations"

## 7. Handling and storage

### Safe handling precautions / Hygiene methods

When used and handled appropriately no special measures are needed.

Avoid dust formation.

Closed containers should be opened in well-ventilated areas.

Wash hands before breaks and at the end of workday.

Use protective skin cream before handling the product.



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Take off immediately all contaminated clothing and wash it before reuse.  
 Safe storage methods, including any incompatibilities.

### Fire and explosion prevention

Take precautionary measures against build-up of electrostatic charges, e.g, earthing during loading and off-loading operations.

Keep away sources of ignition. Dust can form an explosive mixture in air.

Stable at normal ambient temperature and pressure.

Observe the general rules of industrial fire protection.

### Handling

Put an appropriate personal protective equipment (see section 8)

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

### Storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## **8. Exposure Control and Personal Protection**

### **8.1 Control parameters**

#### **8.1.1 Occupational Exposure Limits**

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Copper and compounds: dust and mists (as Cu)	147-14-8		1		2	

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Region	Source
EU	EU Occupational Exposure Limits
United Kingdom	UK Workplace Exposure Limits EH40/2005 (Third edition, published 2018)

## 8.2 Exposure controls

### 8.2.1. Appropriate engineering controls

	Eye Protection	Wear eye protection with side protection (EN166).
	Skin protection	Wear Hand-gloves.
	Respiratory protection	Normally no personal respiratory protection is necessary.
	Thermal hazards	None known.



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8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

## 9. Physical and chemical protection

Physical aspect (state of matter, form, and color)	:	Blue Powder
Smell and odour threshold	:	Not specified, cannot be determined
pH	:	7-8
Melting Point / Freezing Point	:	Decomposes below the boiling point Decomposes before melting
Initial boiling point and boiling temperature	:	Not applicable / Not applicable
Flash Point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability	:	The product is not flammable.
GLP	:	No data available
Remarks: Combustibility test	:	
Lowest and highest flammability or explosive point	:	Not tested
Steam pressure	:	Not applicable
Steam density	:	Not applicable
Relative density	:	Not tested
Solubility	:	Water solubility: <0.02 mg/l (20c). The data refer to the colourant
Partition coefficient n-octace/water	:	log Pow : approx.. 1,1 (approx.. 20c)
Self Ignition temperature	:	Not applicable
Self decaying temperature	:	Not applicable
Viscosity	:	Not applicable

### Other chemical properties

Explosive properties	:	Non explosive
Oxidising properties	:	Not applicable



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## 10. Stability and Reactivity

Reactivity	: When handled and stored appropriately no dangerous reactions are known.
Chemical stability	: No data available
Possibility of hazardous reactions	: No data available
Thermal decomposition	: No data available
Conditions to avoid	: No data available
Incompatible materials	: Strong oxidizers
Hazard byproducts in decay	: When handled and stored appropriately, no dangerous Decomposition products are known.

## 11. Information on Toxicological effects

Acute toxicity – Based on available data, the classification criteria are not met.

LD/LC 50 values relevant for classification

Oral LD50 > 6400 mg/kg bw (rat (Sprague-Dwaley) male/female) (OECD guideline 401 (Acute Oral Toxicity))

Dermal LD50 > 5000 mg/kg bw rat/(wistar) male) (OECD guideline 402 (Acute Dermal Toxicity))

Primary irritant effect

Skin Corrosion / irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Additional toxicological information

Repeated dose toxicity: Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity – Based on available data, the classification criteria are not met.

Carcinogenicity – Based on available data, the classification criteria are not met.

Reproductive toxicity - Based on available data, the classification criteria are not met

STOT- Single exposure – Based on available data, the classification criteria are not met.

STOT- Repeated exposure – Based on the available data, the classification criteria are not met.

Aspiration Hazard – Based on the available data, the classification criteria are not met.

Information on other hazards

Endocrine disrupting properties – The substance has no endocrine-disrupting properties according to regulation (EU) 2017/2100

Information on the other hazard – No further information is available.



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## 12. Ecological Information

### Aquatic toxicity

Aquatic toxicity is unlikely to occur as the substance is insoluble in water

48h-EC50 (Static) > 500 mg/l (Daphnia magna) (OECD guideline 202

(short term toxicity to aquatic)

72h-EC50 (Static) > 100 mg/l (Desmodesmus subspicatus) (OECD guideline 201

toxicity to aquatic algae and c)

96h-LC50 > 100 mg/l (Cyprinus carpio) (OECD guideline 203 (short term toxicity to fish)

Persistence and degradability – Not readily biodegradable

Bio accumulative potential

The BCF was determined to be less or equal than 3.6 for a concentration of 0.06 mg/l

Whereas a concentration of 0.6mg/l resulted in a BCF being in the range between 0.33 and 11 L/kg.

However, based on solubility ratio, the Log Kow was calculated for the CAS 147-14-8 being in the range between -1.6 and -1.0. Therefore, bioaccumulation of the substances is not expected.

Mobility in soil – Absorption to solid soil phase is not expected.

Additional ecological information

General notes

Not hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: The substance is not PBT

VPvB: The substance is not vPvB

Endocrine disrupting properties: The substance has no endocrine-disrupting properties according to Regulation (EU) 2017/2100

Other adverse effect: No further information is available

## 13. Disposal Consideration

Waste Treatment methods

Recommendation

Do not allow to enter drains, sewers or watercourses

Must be dumped or incinerated in accordance with local regulations

Uncleaned packaging

Recommendation

Uncontaminated packs can be reused

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.



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#### **14. Transport Information**

UN- Number - ADR, IMDG, IATA - Not regulated  
UN proper shipping name – ADR, IMDG, IATA - Not regulated  
Transport hazard class(es) - Not regulated  
ADR, IMDG, IATA  
Class Not regulated  
AND/R Class - Not regulated  
Packing Group – Not regulated  
ADR, IMDG, IATA – Not regulated  
Environmental Hazards – Not applicable  
Special precautions for user - Not applicable  
Transport in bulk according to Annex II of Marpol and the IBC code - Not applicable  
UN “ Model Regulation” – Not regulated

#### **15. Regulatory Information**

Hazard statements - Not applicable  
Signal word – No signal word  
Hazard pictograms – No pictogram

#### **Other regulatory information**

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)



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### New Zealand Inventory (NZIoC)

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

## 16. Other information

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the

Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - SelfAccelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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Further information other information

Observe national and local legal requirements

List of relevant R-phrases

Not Hazardous

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 design 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.

Regulation (EC) No 1272/2008 of the European parliament and of the council on classification, labelling and packaging of substances and mixtures, amending and repealing Commission Regulation (EU) 2020/878 of June 2020 amending annex II to regulation (EC) No. 1907/2006

**Created By: Navpad Pigments Private Limited, Technical Service Department.**



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