

MATERIAL SAFETY DATA SHEET

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I. **Product Identification**

Product Code	4310-P	Product Name	Phthalo Blue BGNF
Color Index Name	Pigment Blue 15:4	Color Index Number	74160
Chemical Class	Phthalocyanine	M.W.	

Use Description :

Synthetic organic pigments are found in most product that are colored, such as printing inks, paints, plastics, cosmetics, contact lenses, medical devices, crayons, textile fibers, and numerous other applications.

Manufacturer :

GGINK INTERNATIONAL LIMITED
Block 88, Lane 300, Shunda Road,
Nanxiang, Jiading District, Shanghai, China 201802
Tel:86 (21) 6992 0922/33 Fax:86 (21) 6992 0955

Emergency Telephone Number :

Transportation : (86) 21 6250 2906
Product Safety : (86) 21 6250 2907

II. **Composition/Information on Ingredients**

Phthalocyanine Blue C.A.S. : 147-14-8

This product is not considered to be a hazardous nor dangerous substance as defined under EEC's Dangerous Substances Directives 67/548/EEC & 88/379/EEC & OSHA's Hazard Communication Standard (29 CFR 1910.1200).

III. **Hazards Identification**

Emergency Overview

When invoiced in a fire or exposed to high temperatures for an extended period time, organic pigments may smolder or burn evolving noxious fumes which can include oxides of nitrogen and carbon, or other toxic compounds.

IV. **First and Measures**

EYE CONTACT

Flush eyes thoroughly with large amounts of water for at least fifteen minutes. Get medical attention.

SKIN CONTACT

Wash skin with soap and water. Remove severely contaminated clothing and clean before reuse. Seek medical attention in the unlikely event that irritation occurs.

INHALATION

Remove to fresh air. Get medical attention if breathing is difficult.

INGESTION

Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get immediate medical attention.

V. **Fire Fighting Measures**

Nonflammable organic pigment product.

Extinguishing Media

Carbon dioxide, dry chemical or foam recommended. Apply water spray to cool exposed closed containers.

Special Fire Fighting Procedures

Self-contained breathing apparatus (SCBA) & full protective equipment recommended.

Unusual Fire & Explosion Hazards

Fire or excessive heat may produce hazardous decomposition products.

General Hazard

Improper handling of any finely divided organic pigment powder may lead to dust cloud formation which may be an explosion hazard.

Flammability Data

Flash Point	Non-flammable material
Flammability Limits	No data
Autoignition Temperature	No data
Dust Cloud Ignition Temperature	640°F

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V. Fire Fighting Measures

Dust Layer Ignition Temperature	1210°F
<u>NFPA RATINGS</u>	<u>HMIS RATINGS</u>
Health 1	Health 1
Flammability 1	Flammability 1
Reactivity 0	Reactivity 0

VI. Accidental Release Measures

Small Spill

For dry powder spills, inert material such as sand may be added to control dusting prior to cleanup. Industrial grade vacuum sweepers are also recommended. Place spilled material into appropriate waste containers for disposal.

Large Spill

Contain spilled material immediately with an inert substance such as sand or earth. Use plastic or aluminum shovel to transfer diluted waste material into appropriate containers for disposal. Airborne organic pigment dust may be an explosion hazard. Secure possible sources of ignition and avoid dusting.

VII. Handling and Storage

Handling

Avoid employee exposure through the use of appropriate engineering controls good industrial hygiene practices

Storage

Store in a moderately cool, dry, well-ventilated area away from direct sources of Heat. Empty containers may contain product residues and should be handled appropriately. Position containers so that any labeling information is visible.

VIII. Exposure Controls/Personal Protection

Engineering Controls

The use of local exhaust ventilation is recommended.

Personal Protection

NIOSH approved dust respirators are recommended when handling in areas of pigment dusting. Safety glasses are also recommended. Impervious clothing should be worn when gross contact is likely, such as when cleaning up spills of large amounts

Exposure Limits

The OSHA PEL for nuisance dust is 15 mg/m³ (total dust), and 5mg/ m³ (respirable dust) recommended. The recommended ACGIH TLV for nuisance dust is 10 mg/m³.

IX. Physical and Chemical Properties

Appearance	Finely divided dry powder	Percent Volatile	Negligible
Color	Green Shade Blue	Vapor Pressure	NA
Melting Point	Undetermined	Molecular Formula	C ₃₂ H ₁₆ CuN ₈
Specific Gravity	1.60	Volatile Organic Compounds (VOC's)	None
Solubility	Insoluble		
Boiling Point	300°C		

X. Stability and Reactivity

General:

This product is a stable compound and hazardous polymerization will not occur.

Incompatibility:

Avoid strong oxidizing agents such as peroxides, chlorates, perchlorates, nitrates, and permanganates. Oxidizing materials may vigorously evolve oxygen in large amounts.

Hazardous Decomposition Products:

When involved in a fire, burning organic pigments may evolve noxious gases which are toxic. These compounds may include carbon monoxide, carbon dioxide, nitrous oxides, or hydrogen chlorides, depending on the pigment type.

XI. Toxicological Information

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XI. Toxicological Information

Based upon industry-wide experience over many years of manufacturing and published toxicological studies, organic pigments in general are considered to be practically non-toxic. This low order of toxicity is probably due to the fact that pigments are somewhat inert and insoluble substances.

Acute (Short-Term) Toxicity

Oral LD₅₀ value : > 5000 mg/kg

Skin and eye irritation studies have been shown to be negative.

Inhalation : The dust can be irritating for upper respiratory tract.

Chronic (Long-Term) Toxicity

There was no evidence of absorption or adverse effects in a NCI two year oral feeding study with rats and mice.

Mutagenicity

In Vitro screening tests for mutagenicity had reported negative results in an Ames Salmonella culture with DMSO solutions or dispersions of commercial pigments

XII. Ecological Information

This product has not been evaluated for its ecotoxicity. However, the biodegradation of organic colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since organic pigments are generally insoluble compounds, they believed to have minimal bioaccumulation and bioavailability characteristics.

XIII. Disposal Considerations

General

This product must be disposed of in according with all applicable international, federal, state and local regulations.

Waste Management

Contact the state or local environmental agency for specific rules.

XIV. Transportation Information

D.O.T. Shipping Name(49 CFR 172.101-102)	Not regulated
D.O.T. Hazard Class (49 CFR 172.101-102)	None
D.O.T. Label	None
UN/NA NUMBER	Not regulated
IMDG/IAGO CLASSIFICATION	Not regulated
IATA CLASSIFICATION	Not regulated

XV. Regulatory Information

OSHA Hazard Communication Standard Status

This product is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard 29 CFR 1910.1200.

CERCLA Reportable Quantity 9RQ)

None (Not regulated)

SARA Title III

Section 302 (EHS)	None	Section 311/312 (acute)	None
Section 313	None		

RCRA

Not regulated as a hazardous waste under RCRA

EEC Dangerous Substances Directives (European Economic Community)

This product is not considered to be a dangerous substance under Dangerous Substances Directives 67/548/EEC & 88/379/EEC and 91/155/EEC

California's Proposition 65 Regulated Substances

This product does not contain any known levels of substance regulated under PROP 65.

CONEG Status

This product is certified to be in full compliance with CONEG Model Legislation for packaging and packaging ink components.

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IVI. Other Information

For more information contact Product Safety at

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Attn : Mr. Wang Shi Chang

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