

MEGHMANI ORGANICS LIMITED

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Safety Data Sheet

Section 1: - IDENTIFICATION

Product Identifier	MEGHFAST BLUE BNG 810
Color Index Name	Pigment Alpha Blue-15:0
Color Index Number	74160
CAS Registry No	147-14-8
Chemical Family	Copper Phthalocyanine pigment

Relevant identified uses of the substance of mixture & restriction on use

Recommended use: - As colorant
The "Recommended use" identified for this product is provided solely to comply with regulatory requirement and is not part of the seller's specification.
The terms of this safety data sheet do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety Data sheet: - Company: - Emergency Phone Number: -	Meghmani Organics Ltd. Meghmani house, Behind Safal Profitaire, Corporate Road, Prahladnagar, Ahmedabad-380007, Gujarat State, India TEL: - +91-79-2970-9600, 7716, 1000
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Section 2: - HAZARDS IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard: - 29 CFR Part 1910.1200

Classification of the Product

Combustible Dust	Combustible Dust (1)	Combustible Dust
Label Elements	Signal Word : Warning	
Hazard Statement	May form combustible dust concentration in air.	
Precautionary Statements (Prevention)	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Take precautionary measures against static discharge. Avoid release to the environment	
Precautionary Statements (Disposal)	Dispose of container in accordance with local regulations	

Hazards not otherwise classified
Product is capable of dust explosion under certain conditions.

Section 3: - COMPOSITION/INFORMATION ON INGREDIENTS

According to 2012 OSHA's Hazard Communication Standard (29 CFR 1910.1200)

This product does not contain any components classified as health related hazards under the referenced standard".

Chemical Name Pigment Blue-15	C.A.S. NO 147-14-8	% By Weight 100 %
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Section 4: - FIRST AID MEASURES

Description of First Aid Measures

General Advise	Remove contaminated clothing Consult a doctor in case of discomfort
If Inhaled	Remove to fresh air. Get medical attention if breathing is difficult.
If on Skin	Wash skin with soap and water. Remove severely contaminated clothing and clean before re-use. Seek medical attention in the unlikely event that irritation Occurs.
If in Eyes	Flush eyes thoroughly with large amounts of water for at least fifteen minutes under running water with eyelids held open. If irritation develops, Get medical attention.
If Swallowed	Rinse mouth and then drink plenty of water. Do not induce vomiting. Get immediate medical attention.

Most Important Symptoms and effects, both acute & delayed

Symptoms: - See section – 2 & Section – 11.

No significant symptoms and effects of the product known so far.

Indication of any immediate medical attention and special treatment needed

Note to Physician: - Treatment: treat according to symptoms, no known specific antidote.

Section 5: - FIRE FIGHTING MEASURES

Nonflammable organic pigment product.

Extinguishing Media	Suitable Extinguishing Media – Dry Powder or foam recommended. Unsuitable Extinguishing media for safety reasons – Carbon Dioxide
Special Hazards arising from the substance or mixture	Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, use. Hazard during firefighting – harmful vapors / evolution of fumes / fog. Substances mentioned can be released in the case of fire.
Advice for fire-fighters	Self-contained breathing apparatus (SCBA) and full protective equipment recommended. Combustible Dust
Additional Information	Improper handling of any finely divided organic pigment powder may lead to dust cloud formation, which may be an explosion hazard.

Section 6: - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective equipment and emergency procedures

Avoid dust formation. Signal Word: Combustible Dust .Use personal protective clothing.

Environmental Precautions

Contain contaminated water/firefighting water.

Do not discharge into drains/surface waters/ground water.

Methods and material for containment and cleaning up

Small Spill	Pick up with suitable appliance. 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.

Section 7: - HANDLING AND STORAGE

Precautions for safe Handling

Comply with current legislation concerning the prevention of industrial risks.
Breathing must be protected when large quantities are decanted without local exhaust ventilation. Closed containers should only be opened in well-ventilated areas.
Avoid leakages from containers & dust formation.
Take precautionary measure against static discharges.
Avoid employee exposure through the use of appropriate engineering controls and good industrial hygiene practices.

Conditions for safe storage, Combustible Dust

Store in a cool, dry, well-ventilated area. Keep container / packages tightly closed.
Avoid direct sources of heat, Radiation, Static Electricity & contact with food.
Empty containers may contain product residues and should be handled appropriately.
Position containers so that any labelling information is visible.

Section 8: - EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with occupational exposure limits

C.I. Pigment Blue-15	ACGIH TLV	TWA value 0.2 mg/m ³ fumes/smoke (copper (Cu)); TWA value 1 mg/m ³ : Dust & mist (Copper (Cu))
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Advice on system design: - Provide local exhaust ventilation to control dust.

Personal Protective Equipment

Respiratory Protection	Wear a NIOSH-Certified (of equivalent) organic vapor/particulate respirator
Hand Protection	Chemical resistant protective gloves
Eye Protection	Safety Glasses with side-shields. Wear face shield if splashing hazard exists.

General safety & hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Due to coloring properties of the product closed work clothes should be used to avoid stains during handling/manipulation. Eye wash fountains and safety showers must be easily accessible. Wash soiled clothing immediately.

Section 9: - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Fine powder
COLOR	Blue
ODOUR	Odorless
MELTING POINT	480° C
BOILING POINT	No data
FLASH POINT	Not applicable
pH Value	Approximately 5.5 To 8.5
DENSITY AT 20° C	400-600 KG/m ³
SOLUBILITY IN WATER	Insoluble in water
VAPOR PRESSURE	Not applicable
VAPOR DENSITY AT 20° C	Not applicable
EVAPORATION RATE	Product is non-volatile solid.
VOLATILE ORGANIC COMPOUNDS (VOC's)	None

Section 10: - STABILITY AND REACTIVITY

Reactivity

No hazardous reactions if stored and handled as prescribed / indicated

Corrosion to Metals: - No corrosive effect on Metal.

Oxidizing Properties: - not fire-propagating

Minimum ignition energy: - Product is capable of dust explosion

Chemical Stability

The product is stable if store and handled as prescribed / indicated.

Possibility of hazardous reactions

Dust explosion hazard

Conditions to avoid

Avoid dust formation. Avoid deposition of dust. Avoid source of ignition. Avoid humidity.

Incompatible materials

No substances known that should be avoided.

Hazardous Decomposition Products:

No hazardous decomposition products if stored and handled as prescribed / indicated.

Thermal decomposition: > 250° C

Not a substance liable to self-decomposition according to UN transport regulation, Class 4.1

Section 11: - TOXICOLOGICAL INFORMATION

Primary routes of exposure

Possible exposures & routes for entry for solids and liquids are ingestion & inhalation, but may include eye or skin contact. Possible exposure s & routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity

Acute Toxicity: - Nontoxic after a single ingestion of single skin contact.

Oral: - LD50 Value >5,000 mg/KG (species – rat)

Inhalation: - LC 50 – As per available study data, the classification criteria are not met.

Contact with Skin: - product not-irritant

Contact with eye: - product not-irritant

Sensitization: - As per available study data, no sensitizing effect.

Aspiration hazard: - not applicable

Chronic Toxicity

Repeated dose toxicity: - no adverse effects were observed after repeated exposure in animal studies.

Genetic toxicity: - the product as not mutagenic in bacteria, in mammalian cell culture & was not mutagenic in microorganisms.

Carcinogenicity: - Based on the study data available, product does not suggest a specific alert for such an effect.

Component	CAS-No	IARC	NTP	OSHA
Phthalocyanine blue	147-14-8	Not listed	Not listed	Not listed

Section 12: - ECOLOGICAL INFORMATION

Toxicity

Aquatic Toxicity – Product is acutely harmful to aquatic organisms & may cause long-term adverse effect in the aquatic environment.

Toxicity to Fish – LC50 (96 h) > 500 mg/l, Leuciscus

Aquatic invertebrates – EC50 (48 h) 100 MG/L, Daphnia magna

Aquatic Plants – EC50 (72 h), algae, not determined

Chronic toxicity to fish – No data available

Microorganisms / Effect on activated sludge

Toxicity to Microorganisms DIN 38412 Part 27 (draft) bacterium / EC50: > 100 mg/l

Persistence and degradability

Product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

Bio accumulative potential

Study scientifically not justified

Section 13: - DISPOSAL CONSIDERATIONS

Waste Disposal of substance

The product must be disposed of in accordance with all applicable federal, state and local regulations. Do not discharge into drains / surface waters / ground water.

Container Disposal

The product must be disposed of in accordance with all applicable federal, state and local regulations. Recommended to crush / puncture or other means to prevent unauthorized use of used containers.

Section 14: - TRANSPORT INFORMATION

US Domestic / NTERNATIONAL

Product classified as non-dangerous goods under transport regulations.

Land Transport	USDOT / UN / NA NUMBER	Not regulated
Sea Transport	IMDG / IACO CLASSIFICATION	Not regulated
Air Transport	IATA CLASSIFICATION / ICAO	Not regulated



Section 15. REGULATORY INFORMATION

OSHA Hazard Communication Standard Status

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

Toxic Substances Control Act (TSCA) Status

This product is in compliance with TSCA, US & is considered TSCA released /listed.

EPCRA 311/312 (Hazard categories):

Fire (Combustible Dust)

State Regulations

State RTK

NJ

CAS Number

147-14-8

Chemical Name

C.I. Pigment Blue 15:0

CA Prop.65: None.

NFPA Hazard codes:

Health : 1

Fire : 1

Reactivity : 0

Special :

HMIS III Rating:

Health : 1

Flammability : 1

Physical Hazard : 0

Section 16. OTHER INFORMATION

SDS Prepared By : Meghmani Organics Ltd-India – Regulatory affairs Division

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