# MATERIAL SAFETY DATA SHEET

## 1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>TRADE NAME</th>
<th>MEGHATHRON BLUE 60</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLOUR INDEX NAME</td>
<td>Pigment Blue 60</td>
</tr>
<tr>
<td>COLOUR INDEX NUMBER</td>
<td>69800</td>
</tr>
<tr>
<td>CAS REGISTRY NO</td>
<td>81-77-6</td>
</tr>
<tr>
<td>CHEMICAL FAMILY</td>
<td>Indanthrone</td>
</tr>
<tr>
<td>PRODUCT DESCRIPTION</td>
<td>Indanthrone Blue</td>
</tr>
</tbody>
</table>

**USE DESCRIPTION**

Synthetic organic pigments are found in most products that are colored, such as printing inks, paints, plastics, crayons, textile, and many other applications.

**MANUFACTURER:**
Meghmani Organics Ltd.
Meghmani house,
Shree Nivas Society, Off Nava Vikas Gruh Road, Paldi,
Ahmedabad-380007
TEL: +91-79-6640-995 & 996

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Pigment Blue 60     C.A.S.# 81-77-6

This product is not considered to be a hazardous substance as defined under OSHA’s Hazard Communication Standard (29 CFR 1910.1200).

## 3. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:**
No particular hazardous known.

**CAUTION!**

## 4. FIRST AID 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.

5. 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) and full protective equipment recommended.

Unusual Fire and 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
Auto ignition Temperature
No data
Dust Cloud Ignition Temperature
No data
Dust Layer Ignition Temperature
No data

NFPA RATINGS
Health 1
Flammability 1
Reactivity 0

HMIS RATINGS
Health 1
Flammability 1
Reactivity 0

6. ACCIDENTAL RELEASE MEASURES

Small Spill
For dry powder spills, inert materials 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.
7. HANDLING AND STORAGE

Handling
Avoid employee exposure through the use of appropriate engineering controls and 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 labelling information is visible.

8. 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
There are no ACGIH TLV’s or OSHA PEL’s established for this product. The OSHA PEL for nuisance dust is 15 mg/m³ (total dust), and 5 mg/m³ (respirable dust) recommended. The recommended ACGIH TLV for nuisance dust is 10 mg/m³.

General Safety & hygiene measures
Handle in accordance with good industrial hygiene & safety practice. Due to the coloring Properties of the product closed work clothes should be used, to avoid stains during manipulation.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCE</td>
<td>Powder</td>
</tr>
<tr>
<td>COLOR</td>
<td>Blue</td>
</tr>
<tr>
<td>MELTING POINT</td>
<td>N.A.</td>
</tr>
<tr>
<td>BULK DENSITY</td>
<td>1.5 g/cm³</td>
</tr>
<tr>
<td>SOLUBILITY</td>
<td>Insoluble</td>
</tr>
<tr>
<td>PERCENT VOLATILE</td>
<td>Negligible</td>
</tr>
<tr>
<td>VAPOR PRESSURE</td>
<td>Not applicable</td>
</tr>
<tr>
<td>BOILING POINT</td>
<td>No data</td>
</tr>
<tr>
<td>VOLATILE ORGANIC COMPOUNDS (VOC’s)</td>
<td>None</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

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

**INCOMPATABILITY**
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 chloride, depending on the pigment type. Phthalo Blue pigments may thermally decompose in polymeric resin applications when processed at temperatures exceeding 200°C (392°F).

11. TOXICOLOGICAL INFORMATION

**GENERAL**
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**
This product has a reported acute oral LD_{50} value of 5 gm/kg or greater in rats.

**CHRONIC (LONG-TERM) TOXICITY**
No known published data available.

**MUTAGENICITY**
No known published data available.

12. 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 are believed to have minimal bioaccumulation and bio-availability characteristics.

13. DISPOSAL CONSIDERATIONS

**General**
This product must be disposed of in accordance with all applicable federal, state and local regulations.

**Waste Management**
Incineration or landfilling are recommended disposal techniques. Contact the state or local environmental agency for specific rules. This product is not identified as a RCRA hazardous waste under 40 CFR 261, and is not regulated under CERCLA (Superfund).
### 14. TRANSPORT 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 |
| D.O.T. PLACARD | None |
| BILL OF LADING DESCRIPTION | Pigments NOI Dry |
| CERCLA SUBSTANCE (49 CFR) | Not regulated |
| REPORTABLE QUANTITY (RQ) | None |

### INTERNATIONAL

| UN/NA NUMBER | Not regulated |
| IMDG/IACO CLASSIFICATION | Not regulated |
| IATA CLASSIFICATION | Not regulated |

### 15. 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.

#### Toxic Substances Control Act (TSCA) Status

All of the ingredients of this material have been reported to the U.S. EPA and are included in the TSCA chemical inventory.

This product is certified to be in full compliance with Section 6(e) of TSCA, 15 U.S.C., 2605(e) regarding inadvertently generated polychlorinated Biphenyls (PCB’s).

#### CERCLA Reportable Quantity (RQ)

NONE (Not regulated)

#### SARA Title III

- Section 302 [EHS] | NONE |
- Section 311/312 (Acute) | NONE |

#### RCRA

Not regulated as a hazardous waste under RCRA.

#### CONEG Status

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

#### Regulations of the European union (Labelling) / National legislation/ Regulations

The product does not require a hazard warning label in accordance with EC directives/ German regulations on dangerous substances.

### 16. OTHER INFORMATION

For more information contact Product Safety at Meghmani Organics Ltd.

Meghmani house,
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