

SHINOL INTERNATIONAL

MATERIAL SAFETY DATA SHEET

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

TRADE NAME	SHINOCHEM BLUE 60
COLOUR INDEX NAME	Pigment Blue 60
CONSTITUTION NUMBER	69800
CAS REGISTRY NO.	81-77-6
CHEMICAL FAMILY	Indanthrone
PRODUCT DESCRIPTION	Indanthrone Blue

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: EMERGENCY TELEPHONE NUMBERS	301, Shapath-II, Near Silver Leaf Hotel, Opp. Rajpath Club, S.G.Highway, Ahmedabad-380051, Gujarat Phone Number: 9099027990
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Pigment Blue 60	C.A.S.# 81-77-6
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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: CAUTION!	No particular hazardous known.
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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

Non flammable 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		HMIS RATINGS	
Health	1	Health	1
Flammability	1	Flammability	1
Reactivity	0	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/m ³ (total dust), and 5 mg/m ³ (respirable dust) recommended. The recommended ACGIH TLV for nuisance dust is 10 mg/m ³ .	
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	
APPEARANCE	Powder
COLOR	Blue
MELTING POINT	N.A.
BULK DENSITY	1.5 g/cm ³
SOLUBILITY	Insoluble
PERCENT VOLATILE	Negligible
VAPOR PRESSURE	Not applicable
BOILING POINT	No data
VOLATILE ORGANIC COMPOUNDS (VOC's)	None
10. 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 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 LD50 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 landfills 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
Section 313	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
301, Shapath-II, Near Silver Leaf Hotel, Opp. Rajpath Club, S.G.Highway, Ahmedabad-380051, Gujarat

Phone Number: 9099027990

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