



# RCL Exports India Pvt. Ltd.

303 and 305, 3rd Floor, Kirti Deep Building, 5 RBC, DDA Complex, Nangal Raya,  
New Delhi-110046 (INDIA) Tel. : +91-11-4702-9060, +91 88600-08040  
Email : mahavirs@yahoo.com Website : www.rclexports.com

GST No. : 07AADCR2086B1ZO



ISO 9001 : 2015  
CERTIFIED COMPANY

<b>Material Safety Data Sheet</b>	
RCL Beta Blue – 15.4 FOR LIQUID INKS	
<b>SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION</b>	
SUBSTANCE/CHEMICAL DESCRIPTION:	Pigment Phthalocyanine Blue, Beta Modification
TRADE NAMES/SYNONYMS:	<b>RCL Beta Blue – 15.4 FOR LIQUID INKS</b>
GENERIC NAME:	C.I. Pigment Beta Blue 15:4
CONSTITUTION NUMBER:	74160
CAS REGISTRY NUMBER:	147-14-8
CHEMICAL FAMILY:	Copper complex of Phthalocyanine
CHEMICAL CLASS:	Phthalocyanine Pigment
CHEMICAL TYPE:	Organic
SUPPLIER:	<b>RCL Exports India Pvt Ltd.</b>
	RCL EXPORTS INDIA PVT LTD 305, 3rd Floor, Kirti Deep Building, RBC Nangal Raya, New Delhi - 110046, INDIA Ph: + 91-11-47029060 EMAIL: info@rclexports.com www.rclexports.com
<b>SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS</b>	
COMPONENT:	PHTHALOCYANINE BETA BLUE 15:4
PERCENTAGE BY WEIGHT:	99
EC NUMBER (EINECS):	205-685-1
DANGEROUS COMPONENT:	None
<b>SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES</b>	
PHYSICAL STATE:	Solid
PHYSICAL FORM:	Powder
COLOR:	Blue
ODOR:	Odorless
MOLECULAR FORMULA:	C <sub>32</sub> H <sub>16</sub> N <sub>8</sub> Cu
MOLECULAR WEIGHT:	576.08
SPECIFIC GRAVITY (water=1):	1.5
WATER SOLUBILITY:	Insoluble
BULK DENSITY:	0.36 gm/cc
PH:	Not Applicable
AUTO IGNITION:	Not DOT Regulated
THERMAL DECOMPOSITION:	Hazardous decomposition Not Expected
BOILING POINT:	Not Applicable
MELTING POINT:	Not Applicable
VAPOUR PRESSURE:	Not Applicable
VAPOUR DENSITY:	Not Applicable
VOLATILITY:	Not Applicable



# RCL Exports India Pvt. Ltd.

303 and 305, 3rd Floor, Kirti Deep Building, 5 RBC, DDA Complex, Nangal Raya,  
New Delhi-110046 (INDIA) Tel. : +91-11-4702-9060, +91 88600-08040  
Email : mahavirs@yahoo.com Website : www.rclexports.com

ODOR THRESHOLD:	Not Applicable
EVAPORATION RATE:	Not Applicable
COEFFICIENT OF WATER/OIL DISTRIBUTION:	Not Applicable
IGNITION TEMPERATURE:	Not Applicable
PARTITION COEFFICIENT:	Not Applicable
VISCOSITY:	Not Applicable
OXIDIZING PROPERTIES:	Not Applicable
EXPLOSION LIMITS:	Not Applicable
<b>SECTION 4 : HAZARDS IDENTIFICATION</b>	
Potential Acute Health Effects:	Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Potential Chronic Health Effects:	Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage.
<b>SECTION 5: FIRST AID MEASURES</b>	
INHALATION:	Remove from exposure immediately and move to fresh air. Use a bag valve mask or similar device to perform artificial respiration and aid in breathing. Get medical attention if needed.
SKIN CONTACT:	Remove contaminated clothing, jewelry, and shoes immediately. Wash skin thoroughly with soap and water. Use mild detergent and water to wash clothes until no evidence of chemical remains before reuse. Get medical attention, if needed.
EYE CONTACT:	Flush eyes immediately with large amount of water, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately if irritation remains.
INGESTION:	Dilute it with water and induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention immediately.
<b>SECTION 6: FIRE FIGHTING MEASURES</b>	
FIRE AND EXPLOSION HAZARDS:	Slight fire hazard. Dust/air mixtures may ignite or explode.
EXTINGUISHING MEDIA:	Regular dry chemical, carbon dioxide, water, or regular foam.
LARGE FIRES:	Use regular foam or flood with fine water spray.





# RCL Exports India Pvt. Ltd.

303 and 305, 3rd Floor, Kirti Deep Building, 5 RBC, DDA Complex, Nangal Raya,  
New Delhi-110046 (INDIA) Tel. : +91-11-4702-9060, +91 88600-08040  
Email : mahavirs@yahoo.com Website : www.rclexports.com

GST No. : 07AADCR2086B1ZO



ISO 9001 : 2015  
CERTIFIED COMPANY

FIRE FIGHTING:	Personal firefighting equipment procedure must be used or use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.
<b>SECTION 7: ACCIDENTAL RELEASE MEASURES</b>	
OCCUPATIONAL/ ENVIRONMENTAL RELEASE PRECAUTIONS:	Collect spilled material in appropriate container for disposal or vacuum into a receptacle. Keep out of water supplies and sewers. Keep unnecessary people away, isolate hazard area and deny entry.
PERSONAL PRECAUTIONS:	Safety glasses, helmet, face guard, hand gloves, etc to be worn.
<b>SECTION 8: HANDLING AND STORAGE</b>	
<p>Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances. This product should be handled under conditions of good industrial hygiene.</p> <p>In particular, creating and inhaling of dust is to be prevented by the use of lock exhaust ventilation during handling and weighing. Usual precaution for nuisance dust should be observed. Store in rooted place at room temperature.</p> <p>Keep container tightly sealed, protect from fire.</p> <p>Keep away from source of ignition or no smoking zone.</p> <p>Risk of dust explosion, as with most organic powders, it may form flammable dust clouds in air. Also prevent dust collection by regular cleaning.</p>	
<b>SECTION 9: EXPOSURE CONTROLS, PERSONAL PROTECTION</b>	
EXPOSURE LIMITS:	No occupational exposure limits established.
VENTILATION:	Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.
EYE PROTECTION:	Wear splash resistant safety glasses. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
CLOTHING:	Wear appropriate chemical resistant clothing.
GLOVES:	Wear appropriate chemical resistant gloves.



# RCL Exports India Pvt. Ltd.

303 and 305, 3rd Floor, Kirti Deep Building, 5 RBC, DDA Complex, Nangal Raya,  
New Delhi-110046 (INDIA) Tel. : +91-11-4702-9060, +91 88600-08040  
Email : mahavirs@yahoo.com Website : www.rclexports.com

GST No. : 07AADCR2086B1ZO



ISO 9001 : 2015  
CERTIFIED COMPANY

RESPIRATOR:	Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use. Any dust and mist respirator with a full face piece. Any air-purifying respirator with a full face piece and a high-efficiency particulate filter. Any powered, air-purifying respirator with a full face piece and a high-efficiency particulate filter. For Unknown Concentrations or Immediately Dangerous to Life or Health - Any supplied-air respirator with full face piece and operated in a Pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full face piece.
-------------	--

### SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Stable at normal temperatures and pressure.
CONDITIONS TO AVOID:	Avoid heat, flames, sparks, fire and other sources of ignition. Avoid contact with incompatible materials.
INCOMPATIBILITIES:	Oxidizing materials
OXIDIZERS (STRONG):	Fire and explosion hazard.
HAZARDOUS DECOMPOSITION:	Thermal decomposition products: cyanides, oxides of carbon, nitrogen
POLYMERIZATION:	Will not polymerize.

### SECTION 11: TOXICOLOGICAL INFORMATION

MUTAGENIC DATA:	Mutation in microorganisms - Salmonella typhimurium 3333 ug/plate (-S9)
ACUTE ORAL TOXICITY (LD50)	The product is not toxic. LD 50 oral. Rat-5000 mg/kg.

### HEALTH EFFECTS:

INHALATION:	ACUTE EXPOSURE:	Dusts may be irritating to the mucous membranes.
	CHRONIC EXPOSURE:	No data available
SKIN CONTACT:	ACUTE EXPOSURE:	Non irritant (tested on Rabbit)
	CHRONIC EXPOSURE:	No data available.
EYE CONTACT:	ACUTE EXPOSURE:	Non irritant (tested on Rats).
	CHRONIC EXPOSURE:	No data available.
INGESTION:	ACUTE EXPOSURE:	May result in gastric disturbances
	CHRONIC EXPOSURE:	No data available.

### SECTION 12: ECOLOGICAL INFORMATION





# RCL Exports India Pvt. Ltd.

303 and 305, 3rd Floor, Kirti Deep Building, 5 RBC, DDA Complex, Nangal Raya,  
New Delhi-110046 (INDIA) Tel. : +91-11-4702-9060, +91 88600-08040  
Email : mahavirs@yahoo.com Website : www.rclexports.com

GST No. : 07AADCR2086B1ZO



ISO 9001 : 2015  
CERTIFIED COMPANY

Avoid infiltration into waste water draining or soil.

However this product is insoluble in water and it is thus not possible to give reliable information because of its insolubility. It is unlikely to be harmful to aquatic organisms.

### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state, local and all other applicable regulations.  
Contaminated packages and containers emptied, but may be recycled.

DISPOSAL OF PRODUCT:	Waste code No.55514 (GERMANY)
DISPOSAL OF PACKING:	Waste code No. 18174 (GERMANY)
WASTE CLASSIFICATION:	Waste code No.55514 (GERMANY)

### SECTION 14: TRANSPORT INFORMATION

LAND/AIR/MARITIME TRANSPORT	No classification/precaution assigned.
-----------------------------	--

### SECTION 15: REGULATORY INFORMATION

U.S. REGULATIONS:	TSCA INVENTORY STATUS:	Y
	TSCA 12(b) EXPORT NOTIFICATION:	Not Listed
	CERCLA SECTION 103 (40CFR302.4):	N
	SARA SECTION 302 (40CFR355.30):	N
	SARA SECTION 304 (40CFR355.40):	N
	SARA SECTION 313 (40CFR372.65)	N
	SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21):	AUCTE: N
		FIRE N
		REACTIVE N
		SUDDEN RELEASE N
	OSHA PROCESS SAFETY (29CFR1910.119):	N
STATE REGULATIONS:	CALIFORNIA PROPOSITION 65:	N
EUROPEAN REGULATIONS:	EC NUMBER (EINECS):	205-685-1
GERMAN REGULATIONS:	WATER HAZARD CLASS (WGK):	1 (Self Classification by manufactures and Distributors)

### SECTION 16: OTHER INFORMATION



# RCL Exports India Pvt. Ltd.

303 and 305, 3rd Floor, Kirti Deep Building, 5 RBC, DDA Complex, Nangal Raya,  
New Delhi-110046 (INDIA) Tel. : +91-11-4702-9060, +91 88600-08040  
Email : mahavirs@yahoo.com Website : www.rclexports.com

GST No. : 07AADCR2086B1ZO



ISO 9001 : 2015  
CERTIFIED COMPANY

The information mentioned in this data sheet is compiled from the different sources and our present state of knowledge thus should be taken as guideline only.

Also It should not therefore be constructed as guaranteeing specific properties of the product described or their suitability for particular application.

For detailed information regarding the health and safety data also please refer to NPIRI raw material data handbook VOL.4 pigments.