



# Ramdev

**CHEMICAL  
INDUSTRIES**

BUREAU  
VERITAS  
Certification  
ISO 14001:2004  
Cert. No. IND10.5147



Plot No. 3441, G.I.D.C. ESTATE, ANKLESHWAR - 393 002. INDIA. Phone : +91 2646 252299, 222999  
Fax : +91 2646 238999 Email : info@ramdevpigments.com / logistics@ramdevpigments.com

Website : www.ramdevpigments.com

**MANUFACTURERS OF PHTHALOCYANINE PIGMENTS**

**GOVERNMENT RECOGNISED "STAR EXPORT HOUSE"**



## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF COMPANY.

Chemical Description. : Pigment Phthalocynine Blue 1450  
Synonyms. : **RAMAFast BLUE SP 004**  
Supplier. : **RAMDEV CHEMICAL INDUSTRIES**  
Plot No.3441 G.I.D.C. Estate, ANKLESHWAR. 393 002  
Emergency Telephone No : (Fact.) +91-2646 222999 / 224999 / 252299. Fax. +91-2646-238999.

### 2. COMPOSITION/INFORMATION OF INGREDIENTS.

Chemical Characterization. : C.I.Pigment Blue 15.3 C.I.No.74160  
CAS No.147-14-8.  
Dangerous Components : None.  
Molecular Formula :  $C_{32}H_{16}CuN_8$   
Molecular Weight : 576.

### 3. HAZARDOUS IDENTIFICATION. : No Hazardous effects known.

### 4. FIRST AID MEASURES.

Inhalation : Supply fresh Air.  
Skin Contacty : In case of contact with skin wash out immediately with mild soap & water.  
Eye Contact : In case of contact with eyes flush with plenty of water raising eye lids and seek Medical Advise.  
Ingestion : Effects not known, consult doctor immediately.

### 5. FIRE FIGHTING MEASURES.

Suitable Extinguishing Media : No restriction.  
Unsuitable Extinguishing Media : None.  
Special Protective Equipment : None.

### 6. ACCIDENTIAL RELEASE MEASURES:

Personal Precautions  
Environmental Precautions : Do not sweep or wash in public stretches of water, sewers or suits of unknown discharge.  
Methods for cleaning up : Clean up immediately with wetting or absorbent material avoiding dusting.

### 7. HANDLING AND STORAGE.

Precautions during Handling : Usual precautions for nuisance dust should be observed.  
Precautions against fire and- : Keep away from sources of ignition- No Explosion Smoking- Risk of dust explosion.  
Precautions during storage : Store in rooted place at room temperature. Keep container tightly sealed. Protect from fire.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

Exposure limits.  
Additional notes for design of plant equipment: More further details- see sec.7.  
Components with work place related limits to be monitored:

Designation	%	pe of data	Unit
Nuisance dust	100	Make	6 mg/m <sup>3</sup> TLV/TWA(USA)

Respiratory Protection : An appropriate dust filter has to be used should a breathable dust odor.

Hand Protection : Gloves.  
Eye Protection : Safety Glasses.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES.

### APPEARANCE:

Form	: Powder.
Colour	: Dark Blue.
Odour	: Odour less.

## RELEVANT SAFETY DATA:

Melting Point	: Not Applicable
Boiling	: " "
Flash Point	: " "
Thermal decomposition	: " "
Ignition temperature	: " "
Auto-Ignition	: " "
Oxidizing Properties	: " "
Explosion Limits	: " "
Vapour Pressure	: " "
Bulk Density	: 0.32 gm/cc
Solubility in water	: (20°C) In soluble gm/1 DIN/ISO 787 part 10
PH.	: Neutral
Partition coefficient	: Not Applicable
Viscosity	: " "

## 10. STABILITY AND REACTIVITY.

Stability	: Stable under proper conditions.
Condition to avoid	: Direct contact of heat and fire.
Hazardous decomposition products	: No decomposition at proper storage and application condition.

## 11. TOXICOLOGICAL INFORMATION:

Acute toxicity (LD 50)	: The product is not toxic LD 50 oral.rat-5000 mg/kg.
Primary irritation :	
Skin	: Non irritant (rabbit)
Eye	: Non irritant (eyes of rabbit)

## 12. ECOLOGICAL INFORMATION.

Avoid infiltration into waste water draining or soil.

## 13. DISPOSAL CONSIDERATIONS:

Disposal of Product	: Dispose in accordance with federal, state and local regulation. Waste Code No.55514 (Germany)
Disposal of Packing	: Contaminated packages & containers emptied, but may be recycled. Waste Code No.18174 (Germany)
Waste Classification	: Waste Code No.55514 (Germany)

## 14. TRANSPORT INFORMATION: No declaration for transport required.

## 15. REGULATORY INFORMATION: The product is not substance to mandatory marking in accordance with EEC Directive 67/548/EEC- or amendments. Water risk class: WGK O (self assessment acc to 79,19,19a,1 of Germany water utilization- Act (WHG).

## 16. OTHER INFORMATION: This information is based on our present state of knowledge. It should not therefore be construed. As guaranteeing specific properties of the products described or their suitability for a particular application.