



# 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  
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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 SX 251  
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 15.4 C.I.No.74160, CAS No.147-14-8.  
Dangerous Components : None.  
Molecular Formula : C<sub>32</sub> H<sub>16</sub> Cu N<sub>8</sub>  
Molecular Weight : 576.

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

### 4. FIRST AID MEASURES.

Inhalation : Supply fresh Air.  
Skin Contact : 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. ACCIDENTAL 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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES.

#### APPEARANCE:

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



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#### 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.