



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 Phthalocyanine Blue 1450
Synonyms. : RAMAFast BLUE WP/L-144
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 : C₃₂ H₁₆ Cu N₈
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:

<u>Designation</u>	<u>%</u>	<u>pe of data</u>	<u>Unit</u>
Nuisance dust	100	Make	6 mg/m ³ 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.