



Ramdev

**CHEMICAL
INDUSTRIES**



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 WP/L-328
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:

| Designation | % | pe of data | Unit |
|---------------|-----|------------|----------------------------------|
| 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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BUREAU
VERITAS
Certification
ISO 14001:2004
Cert. No. IND10.5147



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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/l 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.