



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. : Phthalocyanine Alpha Blue.
Synonyms. : Pigment Alpha Blue.
Product : RAMAFast BLUE GR-100
Supplier. : RAMDEV CHEMICAL INDUSTRIES

Plot No.3441 / B, G.I.D.C. Estate, ANKLESHWAR, 393 002, India

Emergency Telephone No. (Fact.) +91-2646-222999 / 223994, Fax: +91-2646-238999.

2. COMPOSITION/INFORMATION OF INGREDIENTS :

Chemical Characterization. : C.I.Pigment Blue 15.0
C.I.No. : 74160
CAS No. : 147-14-8.
Dangerous Components : None.
Molecular Formula : C₃₂ H₁₅ Cu N₈- R (Where R= Substituent Group)
Molecular Weight : 780

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. 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-
Explosion : Keep away from sources of ignition- No 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 | % | Type 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 odour. | | |
| 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 | Explosion Limits | : Not Applicable. |
| Boiling | : " " | Vapour Pressure | : " " |
| Flash Point | : " " | Oxidizing Properties | : " " |
| Thermal decomposition | : " " | Bulk Density | : 0.32 gm/cc |
| Ignition temperature | : " " | Partition coefficient | : Not Applicable |
| Auto-Ignition | : " " | Viscosity | : " " |
| PH. | : Neutral | | |
| Solubility in water | : (20°C) In soluble gm/1 DIN/ISO 787 part 10 | | |

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.