



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. : Phthalocyanine Alpha Blue.
Synonyms. : **PIGMENT ALPHA BLUE 15:0**
Product : **RAMAFast BLUE GR-P-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 : $C_{32}H_{15}CuN_8$ - R (Where R= Substituent Group)
Molecular Weight : 780

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. 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-
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:

<u>Designation</u>	<u>%</u>	<u>Type 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 braathable 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.