



# Ramdev

**CHEMICAL  
INDUSTRIES**

BUREAU  
VERITAS  
Certification



ISO 14001:2004

Cert. No. IND10.5147

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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. : Copper Phthalocynine Green  
Synonyms. : **RAMAFast GREEN BL-58**  
Supplier. : **RAMDEV CHEMICAL INDUSTRIES**  
Plot No.B/3441 G.I.D.C. Estate, ANKLESHWAR. 393 002, INDIA

Emergency Telephone No : (Fact.) +91-2646 252299 / 222999, Fax. +91-2646-238999.

### 2. COMPOSITION/INFORMATION OF INGREDIENTS. Chemical Characterization.

C.I.Generic Name:Pigment Green – 7  
C.I.No. : 74260  
CAS No. : 1328-53-6.  
Dangerous Components : None.  
Molecular Formula :  $C_{32}H_8Cl_{16}Cu$   
Molecular Weight : 1092 to 1127.

### 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 Advice.  
Ingestion : Effects not known, consult doctor immediately.

### 5. FIRE FIGHTING MEASURES.

Suitable Extinguishing Media : No restriction.  
Unsuitable Extinguishing Media : None.  
Special Protective Equipment : Appropriate.

### 6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions : Safety goggles, Helmet, Face shield, Handgloves etc. to be used.  
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: For further details-see sec.7Components with work place related limits to be monitored:

| Designation   | %   | Type of data      | Unit                |
|---------------|-----|-------------------|---------------------|
| Nuisance dust | 100 | MAK,TLV/TWA (USA) | 6 mg/m <sup>3</sup> |

Respiratory Protection : An appropriate dust filter has to be used should a breathable dust odour.

Hand Protection : Gloves Eye Protection : Safety Glasses.

### 9. PHYSICAL AND CHEMICAL PROPERTIES.

APPEARANCE: Form : Powder.  
Colour : Deep Green.  
Odour : Odour-less.



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#### RELEVANT SAFETY DATA :

|                       |  |
|-----------------------|--|
| Melting Point         | : Not Applicable                       |
| Boiling               | : Not Applicable                       |
| Flash Point           | : Not Applicable                       |
| Thermal decomposition | : Hazardous decomposition not expected |
| Ignition temperature  | : Not Applicable                       |
| Auto-Ignition         | : Not DOT regulated                    |
| Oxidizing Properties  | : Not Applicable                       |
| Explosion Limits      | : Not Applicable                       |
| Vapour Pressure       | : Not Applicable                       |
| Bulk Density          | : 0.42 to 0.48 gm / cc                 |
| Solubility in water   | : Insoluble                            |
| PH.                   | : Neutral                              |
| Partition coefficient | : Not Applicable                       |
| Viscosity             | : Not Applicable                       |

#### 10. STABILITY AND REACTIVITY:

|                                  |  |
|----------------------------------|--|
| Stability                        | : Stable under normal conditions.  |
| Condition to avoid               | : Direct contact of heat and fire avoid contact with strong chemical Oxidising agents. |
| Hazardous decomposition products | : No decomposition at proper storage and normal 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.