



### MATERIAL SAFETY DATA SHEET

| <b>SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION</b> |   |
|--|---|
| SUBSTANCE/CHEMICAL DESCRIPTION:                                | Copper Phthalocyanine Green   |
| TRADE NAMES/SYNONYMS:  | <b>Rivofast Green RF701</b>   |
| GENERIC NAME:  | C.I. Pigment Green 7  |
| CONSTITUTION NUMBER:   | 74260   |
| CAS REGISTRY NUMBER:   | 1328-53-6   |
| CHEMICAL FAMILY:   | Aromatic, Carboxylic acids, Cyanates  |
| CHEMICAL CLASS:  | Phthalocyanine Pigment  |
| CHEMICAL TYPE:   | Organic   |
| SUPPLIER:  | <b>RIVERSIDE INDUSTRIES LIMITED</b>   |
|  | B/6, MIDC, LOTE-PARSHURAM, KHED, DISTRICT-RATNAGIRI, MAHARASHTRA, INDIA -415722.<br><b>TEL:</b> +91 2356 272850<br><b>MOB:</b> +91 9049 9994 45<br><b>EMAIL:</b> <a href="mailto:riversidelote@gmail.com">riversidelote@gmail.com</a><br><b>WEBSITE:</b> <a href="http://www.riversideind.com">www.riversideind.com</a> |
| <b>SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS</b>     |   |
| COMPONENT:   | COPPER POLYCHLOROPHTHALOCYANINE GREEN   |
| PERCENTAGE BY WEIGHT:  | 98.5  |
| EC NUMBER (EINECS):  | 215-524-7   |
| DANGEROUS COMPONENT:   | None  |
| <b>SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES</b>             |   |
| PHYSICAL STATE:  | Solid   |
| PHYSICAL FORM:   | Powder  |
| COLOR:   | Green   |
| ODOR:  | Odorless  |
| MOLECULAR FORMULA:   | C <sub>32</sub> H <sub>8</sub> Cl <sub>16</sub> Cu  |
| MOLECULAR WEIGHT:  | 1082-1127   |
| SPECIFIC GRAVITY (water=1):                                    | 2.13  |
| WATER SOLUBILITY:  | Insoluble   |
| BULK DENSITY:  | 0.40 to 0.55 gm/cc  |
| PH:  | Neutral   |
| AUTO IGNITION:   | Not DOT Regulated   |
| THERMAL DECOMPOSITION:   | Hazardous decomposition Not Expected  |
| BOILING POINT:   | Not Applicable  |
| MELTING POINT:   | Not Applicable  |

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| VAPOUR PRESSURE:                          | Not Applicable   |
| VAPOUR DENSITY:                           | Not Applicable   |
| VOLATILITY:                               | Not Applicable   |
| ODOR THRESHOLD:                           | Not Applicable   |
| EVAPORATION RATE:                         | Not Applicable   |
| COEFFICIENT OF WATER/OIL DISTRIBUTION:    | Not Applicable   |
| IGNITION TEMPERATURE:                     | Not Applicable   |
| PARTITION COEFFICIENT:                    | Not Applicable   |
| VISCOSITY:                                | Not Applicable   |
| OXIDIZING PROPERTIES:                     | Not Applicable   |
| EXPLOSION LIMITS:                         | Not Applicable   |
| <b>SECTION 4 : HAZARDS IDENTIFICATION</b> |  |
| NFPA RATINGS (SCALE 0-4):                 | HEALTH=1 FIRE=1 REACTIVITY=0   |
| EC CLASSIFICATION (CALCULATED):           | Not determined.  |
| <b>SECTION 5: FIRST AID MEASURES</b>      |  |
| INHALATION:                               | Remove from exposure immediately and move to fresh air. Use a bag valve mask or similar device to perform artificial respiration and aid in breathing. Get medical attention if needed.  |
| SKIN CONTACT:                             | Remove contaminated clothing, jewelry, and shoes immediately. Wash skin thoroughly with soap and water. Use mild detergent and water to wash clothes until no evidence of chemical remains before reuse. Get medical attention, if needed. |
| EYE CONTACT:                              | Flush eyes immediately with large amount of water, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately if irritation remains.  |
| INGESTION:                                | Dilute it with water and induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention immediately.   |
| <b>SECTION 6: FIRE FIGHTING MEASURES</b>  |  |
| FIRE AND EXPLOSION HAZARDS:               | Slight fire hazard. Dust/air mixtures may ignite or explode.   |
| EXTINGUISHING MEDIA:                      | Regular dry chemical, carbon dioxide, water, or regular foam.  |

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| LARGE FIRES:   | Use regular foam or flood with fine water spray.  |
| FIRE FIGHTING:   | Personal firefighting equipment procedure must be used or use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. |
| <b>SECTION 7: ACCIDENTAL RELEASE MEASURES</b>  |   |
| OCCUPATIONAL/ ENVIRONMENTAL RELEASE PRECAUTIONS:   | Collect spilled material in appropriate container for disposal or vacuum into a receptacle. Keep out of water supplies and sewers. Keep unnecessary people away, isolate hazard area and deny entry.                |
| PERSONAL PRECAUTIONS:  | Safety glasses, helmet, face guard, hand gloves, etc to be worn.  |
| <b>SECTION 8: HANDLING AND STORAGE</b>   |   |
| <p>Store and handle in accordance with all current regulations and standards.<br/>         Keep separated from incompatible substances.<br/>         This product should be handled under conditions of good industrial hygiene.<br/>         In particular, creating and inhaling of dust is to be prevented by the use of lock exhaust ventilation during handling and weighing.<br/>         Usual precaution for nuisance dust should be observed.<br/>         Store in rooted place at room temperature.<br/>         Keep container tightly sealed, protect from fire.<br/>         Keep away from source of ignition or no smoking zone.<br/>         Risk of dust explosion, as with most organic powders, it may form flammable dust clouds in air.<br/>         Also prevent dust collection by regular cleaning.</p> |   |
| <b>SECTION 9: EXPOSURE CONTROLS, PERSONAL PROTECTION</b>   |   |
| EXPOSURE LIMITS:   | No occupational exposure limits established.  |
| VENTILATION:   | Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.  |
| EYE PROTECTION:  | Wear splash resistant safety glasses. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.  |
| CLOTHING:  | Wear appropriate chemical resistant clothing.   |
| GLOVES:  | Wear appropriate chemical resistant gloves.   |
| RESPIRATOR:  | Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Respiratory protection is ranked in order from  |

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|  | minimum to maximum. Consider warning properties before use. Any dust and mist respirator with a full face piece. Any air-purifying respirator with a full face piece and a high-efficiency particulate filter. Any powered, air-purifying respirator with a full face piece and a high-efficiency particulate filter. For Unknown Concentrations or Immediately Dangerous to Life or Health - Any supplied-air respirator with full face piece and operated in a Pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full face piece. |  |
| <b>SECTION 10: STABILITY AND REACTIVITY</b>  |   |  |
| REACTIVITY:                                  | Stable at normal temperatures and pressure.   |  |
| CONDITIONS TO AVOID:                         | Avoid heat, flames, sparks, fire and other sources of ignition. Avoid contact with incompatible materials.  |  |
| INCOMPATIBILITIES:                           | Oxidizing materials   |  |
| OXIDIZERS (STRONG):                          | Fire and explosion hazard.  |  |
| HAZARDOUS DECOMPOSITION:                     | Thermal decomposition products: cyanides, oxides of carbon, nitrogen  |  |
| POLYMERIZATION:                              | Will not polymerize.  |  |
| <b>SECTION 11: TOXICOLOGICAL INFORMATION</b> |   |  |
| MUTAGENIC DATA:                              | Mutation in microorganisms - Salmonella typhimurium 3333 ug/plate (-S9)   |  |
| ACUTE ORAL TOXICITY (LD50)                   | The product is not toxic. LD 50 oral. Rat-5000 mg/kg.   |  |
| <b>HEALTH EFFECTS:</b>                       |   |  |
| INHALATION:                                  | <b>ACUTE EXPOSURE:</b>  | Dusts may be irritating to the mucous membranes. |
|  | <b>CHRONIC EXPOSURE:</b>  | No data available                                |
| SKIN CONTACT:                                | <b>ACUTE EXPOSURE:</b>  | Non irritant (tested on Rabbit)                  |
|  | <b>CHRONIC EXPOSURE:</b>  | No data available.                               |
| EYE CONTACT:                                 | <b>ACUTE EXPOSURE:</b>  | Non irritant (tested on                          |

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|  |  | Rats).                             |
|  | <b>CHRONIC EXPOSURE:</b>                                     | No data available.                 |
| INGESTION:   | <b>ACUTE EXPOSURE:</b>                                       | May result in gastric disturbances |
|  | <b>CHRONIC EXPOSURE:</b>                                     | No data available.                 |
| <b>SECTION 12: ECOLOGICAL INFORMATION</b>  |  |                                    |
| Avoid infiltration into waste water draining or soil.<br>However this product is insoluble in water and it is thus not possible to give reliable information because of its insolubility. It is unlikely to be harmful to aquatic organisms. |  |                                    |
| <b>SECTION 13: DISPOSAL CONSIDERATIONS</b>   |  |                                    |
| Dispose in accordance with federal, state, local and all other applicable regulations.<br>Contaminated packages and containers emptied, but may be recycled.   |  |                                    |
| DISPOSAL OF PRODUCT:   | Waste code No.55514 (GERMANY)                                |                                    |
| DISPOSAL OF PACKING:   | Waste code No. 18174 (GERMANY)                               |                                    |
| WASTE CLASSIFICATION:  | Waste code No.55514 (GERMANY)                                |                                    |
| <b>SECTION 14: TRANSPORT INFORMATION</b>   |  |                                    |
| LAND/AIR/MARITIME TRANSPORT  | No classification/precaution assigned.                       |                                    |
| <b>SECTION 15: REGULATORY INFORMATION</b>  |  |                                    |
| <b>U.S. REGULATIONS:</b>   | TSCA INVENTORY STATUS:                                       | Y                                  |
|  | TSCA 12(b) EXPORT NOTIFICATION:                              | Not Listed                         |
|  | CERCLA SECTION 103 (40CFR302.4):                             | N                                  |
|  | SARA SECTION 302 (40CFR355.30):                              | N                                  |
|  | SARA SECTION 304 (40CFR355.40):                              | N                                  |
|  | SARA SECTION 313 (40CFR372.65)                               | N                                  |
|  | SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21): | <b>AUCTE:</b> N                    |
|  |  | <b>FIRE</b> N                      |
|  |  | <b>REACTIVE</b> N                  |
|  |  | <b>SUDDEN</b> N                    |

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|   |                                      | RELEASE  |
|---|--------------------------------------|--|
|   | OSHA PROCESS SAFETY (29CFR1910.119): | N  |
| <b>STATE REGULATIONS:</b>   | CALIFORNIA PROPOSITION 65:           | N  |
| <b>EUROPEAN REGULATIONS:</b>  | EC NUMBER (EINECS):                  | 215-524-7  |
| <b>GERMAN REGULATIONS:</b>  | WATER HAZARD CLASS (WGK):            | 1 (Self Classification by manufactures and Distributors) |
| <b>SECTION 16: OTHER INFORMATION</b>  |                                      |  |
| <p>The information mentioned in this data sheet is compiled from the different sources and our present state of knowledge thus should be taken as guideline only.</p> <p>Also It should not therefore be constructed as guaranteeing specific properties of the product described or their suitability for particular application.</p> <p>For detailed information regarding the health and safety data also please refer to NPIRI raw material data handbook VOL.4 pigments.</p> |                                      |  |

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