

## RED PYRROL — PIGMENT RED 254 (PR254)

### 1. PRODUCT AND COMPANY IDENTIFICATION

|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| Product Name          | C.A.S. AlkydPro Red Pyrrol — Dry Powder Artist Grade                  |
| ASIN                  | B0GKBJDP4S                                                            |
| Pack Size             | 4.5 Fl Oz (Pack of 1)                                                 |
| Chemical Name         | Diketopyrrolopyrrole red (DPP red)                                    |
| Chemical Formula      | C <sub>24</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>         |
| CAS Number            | 84632-65-5                                                            |
| Index Number          | PR254                                                                 |
| CI Number             | CI 56110                                                              |
| Manufacturer/Supplier | CAS Paints                                                            |
| Address               | CAS Paint PO Box 342 Shelbyville IL 62565                             |
| Email                 | info@caspaints.com                                                    |
| Pigment Index         | PR254                                                                 |
| Pigment Type          | Modern Synthetic Organic Pigment — Diketopyrrolopyrrole (DPP)         |
| Opacity               | Semi-Opaque to Opaque                                                 |
| Use                   | Artist pigment for use with alkyds, oils, acrylics, coatings and inks |
| Restrictions          | Not for ingestion. For professional and artist use only.              |

### 2. HAZARDS IDENTIFICATION

Classification: Not classified as hazardous

**Hazard Statements:**

No hazard labelling required

### 3. COMPOSITION / INFORMATION ON CHEMICALS

|                        |                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical Name          | 1,4-Diketo-3,6-diphenylpyrrolo[3,4-c]pyrrole (DPP red)                                                                                                                                                                  |
| Chemical Formula       | C <sub>24</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>                                                                                                                                                           |
| Molecular Weight       | 312.37 g/mol                                                                                                                                                                                                            |
| Concentration          | ~99% diketopyrrolopyrrole (DPP)                                                                                                                                                                                         |
| CAS Number             | 84632-65-5                                                                                                                                                                                                              |
| Other Chemicals        | Trace processing impurities; surface treatments or dispersing aids may be present in pigment grade                                                                                                                      |
| Note on PR254 vs PR255 | PR254 (CAS 84632-65-5) is the unsubstituted diphenyl DPP (deep red). It differs from PR255 (CAS 54660-00-3, DPP scarlet) which carries methyl substituents on the phenyl rings, shifting the hue toward orange-scarlet. |

#### 4. FIRST AID MEASURES

|              |                                                                                                     |
|--------------|-----------------------------------------------------------------------------------------------------|
| Inhalation   | Move to fresh air. If not breathing, give artificial respiration. Seek immediate medical attention. |
| Skin Contact | Wash thoroughly with soap and water. Remove contaminated clothing and shoes.                        |
| Eye Contact  | Flush with plenty of water for at least 15 minutes. Seek immediate medical attention.               |
| Ingestion    | Do not induce vomiting. Give plenty of water to drink. Seek immediate medical attention.            |

#### 5. FIRE FIGHTING MEASURES

|                              |                                                                                                                         |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Suitable Extinguishing Media | Water spray, dry chemical, carbon dioxide, or foam                                                                      |
| Special Hazards              | None known under normal conditions; combustion may release carbon dioxide and nitrogen oxides at very high temperatures |
| Fire Fighting Procedures     | Use appropriate extinguishing media. Keep container cool by water spray.                                                |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                                    |                                                                                                              |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Personal Precautions                               | Wear suitable respiratory protection and protective clothing; avoid generating airborne dust                 |
| Environmental Precautions                          | Prevent release to environment; avoid dispersal into waterways or drains                                     |
| Methods and Materials for Containment and Clean-up | Collect carefully in a sealed container. Use damp wiping methods where possible to avoid airborne particles. |

#### 7. HANDLING AND STORAGE

|                      |                                                                                                                                                                                                                                         |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling Precautions | Use adequate ventilation. Avoid inhalation of dust. Wear appropriate protective equipment. Wash hands thoroughly after handling. PR254 has very high tinting strength — use sparingly when mixing to avoid overpowering other pigments. |
| Storage Conditions   | Store in a cool, dry place. Keep container tightly closed. Store away from incompatible materials.                                                                                                                                      |
| Storage Requirements | Store in original container. Keep away from heat and ignition sources. Keep out of reach of children.                                                                                                                                   |

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Exposure Controls:

Use appropriate engineering controls to minimize dust generation. Provide adequate ventilation. No specific OEL established for PR254; apply good industrial hygiene practices.

##### Personal Protection Equipment:

- Respiratory Protection: N95 dust mask or respirator when handling large quantities or in poorly ventilated areas
- Eye Protection: Safety glasses or goggles
- Skin Protection: Gloves and protective clothing for prolonged handling
- Hygiene: Wash hands and exposed skin thoroughly after handling

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

|            |                                      |
|------------|--------------------------------------|
| Appearance | Deep scarlet to pure red fine powder |
|------------|--------------------------------------|

|                                  |                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Odor</b>                      | None                                                                                                 |
| <b>pH</b>                        | 6.0–8.0                                                                                              |
| <b>Melting Point</b>             | >350°C (sublimes before melting)                                                                     |
| <b>Boiling Point</b>             | Not applicable                                                                                       |
| <b>Flash Point</b>               | Not applicable                                                                                       |
| <b>Evaporation Rate</b>          | Not applicable                                                                                       |
| <b>Vapor Pressure</b>            | Negligible                                                                                           |
| <b>Density</b>                   | ~1.4–1.6 g/cm <sup>3</sup>                                                                           |
| <b>Solubility in Water</b>       | Practically insoluble                                                                                |
| <b>Solubility in Solvents</b>    | Insoluble in most common solvents; compatible with alkyd and oil media                               |
| <b>Partition Coefficient</b>     | Not applicable                                                                                       |
| <b>Autoignition Temperature</b>  | Not applicable                                                                                       |
| <b>Decomposition Temperature</b> | >350°C                                                                                               |
| <b>Specific Heat</b>             | Not applicable                                                                                       |
| <b>Lightfastness</b>             | Excellent (ASTM I); outstanding UV, heat and chemical resistance                                     |
| <b>Tinting Strength</b>          | Very high                                                                                            |
| <b>Hue Note</b>                  | PR254 is a cooler, deeper red than PR255 (DPP scarlet); leans toward a true red with no orange shift |

## 10. STABILITY AND REACTIVITY

|                                           |                                                                          |
|-------------------------------------------|--------------------------------------------------------------------------|
| <b>Chemical Stability</b>                 | Stable under normal conditions; excellent thermal and chemical stability |
| <b>Possibility of Hazardous Reactions</b> | None known under normal handling conditions                              |
| <b>Conditions to Avoid</b>                | Temperatures above 350°C, open flames, sparks                            |
| <b>Incompatible Materials</b>             | Strong oxidizing agents, strong acids                                    |
| <b>Hazardous Decomposition Products</b>   | Carbon dioxide, nitrogen oxides at very high temperatures (>350°C)       |

## 11. TOXICOLOGICAL INFORMATION

|                              |                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------|
| <b>Acute Toxicity</b>        | Oral LD50: Not established; expected to be of low acute toxicity based on DPP class |
| <b>Skin Irritation</b>       | Not established; not expected to be a significant skin irritant                     |
| <b>Eye Irritation</b>        | Mild mechanical irritation from dust particles possible                             |
| <b>Sensitization</b>         | Not established as a skin or respiratory sensitizer                                 |
| <b>Carcinogenicity</b>       | Not classified as carcinogenic (IARC, NTP, OSHA)                                    |
| <b>Mutagenicity</b>          | Not established                                                                     |
| <b>Reproductive Toxicity</b> | Not established                                                                     |

|                                       |                                                                                                 |
|---------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Specific Target Organ Toxicity</b> | May cause respiratory irritation from fine dust inhalation under repeated or prolonged exposure |
| <b>Other Effects</b>                  | Not established under normal artist/pigment use conditions                                      |

## 12. ECOLOGICAL INFORMATION

|                                      |                                                                                  |
|--------------------------------------|----------------------------------------------------------------------------------|
| <b>Ecotoxicity</b>                   | Not established; low ecotoxicity expected based on practical insolubility        |
| <b>Persistence and Degradability</b> | Not applicable; synthetic organic pigment — not readily biodegradable            |
| <b>Bioaccumulative Potential</b>     | Not expected to bioaccumulate                                                    |
| <b>Mobility in Soil</b>              | Low mobility; practically insoluble fine particles                               |
| <b>Environmental Fate</b>            | Not expected to cause significant environmental harm under normal use conditions |

## 13. DISPOSAL CONSIDERATIONS

|                                |                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Waste Disposal Methods</b>  | Dispose of in accordance with local, state, and federal regulations. Do not discharge to sewer systems or waterways. |
| <b>Regulatory Requirements</b> | Follow applicable regulations for disposal of industrial/artist pigment waste.                                       |

## 14. TRANSPORT INFORMATION

|                                |                                          |
|--------------------------------|------------------------------------------|
| <b>UN Number</b>               | Not applicable                           |
| <b>UN Proper Shipping Name</b> | Not applicable                           |
| <b>Transport Category</b>      | Not regulated as hazardous for transport |
| <b>Hazard Class</b>            | Not applicable                           |
| <b>Packing Group</b>           | Not applicable                           |
| <b>Transport Requirements</b>  | No special transport requirements        |

## 15. REGULATORY INFORMATION

|                            |                                                              |
|----------------------------|--------------------------------------------------------------|
| <b>Regulatory Status</b>   | Conforms to ASTM D-4236 (LHAMA and FHSA) for art materials   |
| <b>TSCA Status</b>         | Listed on TSCA Chemical Substance Inventory (CAS 84632-65-5) |
| <b>California Prop 65</b>  | Not listed as a Proposition 65 chemical                      |
| <b>REACH</b>               | Complies with applicable REACH regulations                   |
| <b>Special Regulations</b> | None known for normal artist/pigment use                     |

## 16. OTHER INFORMATION

|                            |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| <b>Date of Preparation</b> | April 2026                                                              |
| <b>Revision Date</b>       | April 2026                                                              |
| <b>ASIN</b>                | B0GKBJDP4S                                                              |
| <b>Product URL</b>         | <a href="https://amazon.com/dp/B0GKBJDP4S">amazon.com/dp/B0GKBJDP4S</a> |

|                               |                                                                                                                                                                                                                                                    |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Key Handling Note</b>      | PR254 Red Pyrrol is a pure deep red DPP pigment with very high tinting strength. It differs from PR255 (DPP Scarlet/Pyrrol Scarlet, ASIN B0GKM6NYD8) which is an orange-scarlet shade. Use sparingly when mixing — a small amount goes a long way. |
| <b>Additional Information</b> | This SDS is prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and GHS guidelines. This product conforms to ASTM D-4236. For professional and artist use. Keep out of reach of children.                          |

*The information contained herein is based on data considered accurate. No warranty is expressed or implied.*