

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



**23182 Ruby DPP TR, PR 264**

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Revised edition: 23.07.2014

Version: 2

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## 1. Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1. Product Identifier

*Product Name:* Ruby DPP TR, PR 264

*Article No.:* 23182

### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

*Identified uses:*

*Coloring component*

*Uses advised against:*

### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:* Kremer Pigmente GmbH & Co. KG

*Address:* Hauptstr. 41-47, 88317 Aichstetten, Germany

*Tel./Fax.:* Tel +49 7565 914480, Fax +49 7565 1606

*Internet:* www.kremer-pigmente.de

*E-Mail:* info@kremer-pigmente.de

*Importer:* --

### 1.4. Emergency No.

*Emergency No.:* +49 7565 914480 (Mon-Fri 8:00 - 17:00)

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## 2. Hazards Identification

### 2.1. Classification of the Substance or Mixture

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Classification according to Directive No. 67/548/EC or No. 1999/45/EC*

*The material is not subject to classification according to EC lists.*

*Safety Phrases:*

*Possible Environmental Effects:*

*See Section 12.*

### 2.2. Label Elements

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Hazard designation:*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

**Other Hazards**

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2.3.

*Risk of dust explosion.*

## 3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

*Chemical Characterization:* Diketo-pyrrolo-pyrol; Pigment Red 264, C.I. 561300

*Information on Components / Hazardous Ingredients:*

Pyrrolo[3,4-c]pyrrole-1,4-dione, 3,6-bis([1,1'-biphenyl]-4-yl)-2,5-dihydro; REACH Reg. No. 01-211982106-35-0000	100 %	CAS-Nr: 88949-33-1 EINECS-Nr: EC-Nr:
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*Additional information:*

## 4. First Aid Measures

4.1. Description of the First Aid Measures

*General information:*

*Remove contaminated clothes.*

*After inhalation:*

*Supply fresh air and seek medical advice in case of complaints.*

*After skin contact:*

*Remove contaminated clothing. Wash off immediately with plenty of water and soap.*

*After eye contact:*

*Rinse open eyes with plenty of water for at least 15 minutes.*

*After ingestion:*

*Rinse mouth with water and drink plenty of water.*

4.2. Most important Symptoms and Effects, both Acute and Delayed

*Symptoms:*

*No further information available.*

*Effects:*

*No further information available.*

4.3. Indication of any Immediate Medical Attention and special Treatment needed

*Treatment:*

*Treat symptomatically.*

## 5. Fire-Fighting Measures

5.1. Extinguishing Media

*Suitable extinguishing media:*

*Extinguishing powder, foam.*

*Unsuitable extinguishing media:*

*Carbon dioxide (CO<sub>2</sub>)*

5.2. Special Hazards arising from the Substance or Mixture

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*Special hazards:*

*In case of fire: hazardous vapors may be released. Development of fumes/aerosol.*

**5.3. Advice for Firefighters**

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

*Avoid formation of dust: risk of dust explosion.*

*Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.*

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**6. Accidental Release Measures**

**6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

*Personal precautions:*

*Avoid formation of dust, wear protective clothing.*

**6.2. Environmental Precautions**

*Environmental precautions:*

*Keep spills and cleaning runoff out of municipal sewers and open bodies of water.*

*Prevent contamination of soil, drains and surface waters.*

**6.3. Methods and Material for Containment and Cleaning Up**

*Methods and material:*

*Avoid dust formation.*

*Contain with dust binding material and dispose accordingly.*

**6.4. Reference to other Sections**

*Protective clothing, see Section 8.*

*Dispose of contaminated material according to Section 13.*

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**7. Handling and Storage**

**7.1. Precautions for Safe Handling**

*Instructions on safe handling:*

*Avoid formation of dust.*

*Respiratory protection when handling without exhaust system.*

*Hygienic measures:*

*No further measures, see Section 8.*

**7.2. Conditions for Safe Storage, including any Incompatibilities**

*Storage conditions:*

*Store in tightly sealed containers in a dry and cool room.*

*Requirements for storage areas and containers:*

*Store the product in the original container.*

*Information on fire and explosion protection:*

*Avoid dust formation.*

*Take measures to prevent electrostatic discharge.*

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*Storage class (VCI):*

11; Combustible solids

*Further Information:*

**7.3. Specific End Use(s)**

*Further information:*

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**8. Exposure Controls/Personal Protection**

**8.1. Parameters to be Controlled**

*Parameters to be controlled (DE):*

none known

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

3.3 mg/kg (worker, skin contact, long-term exposition - systemic effects)

5.8 mg/kg (worker, inhalation, long-term exposition - systemic effects)

3 mg/m<sup>3</sup> (worker, inhalation, long-term exposition - local effects)

1.7 mg/kg (consumer, skin contact, long-term exposition - systemic effects)

5.9 mg/kg (consumer, inhalation, long-term exposition - systemic effects)

3 mg/m<sup>3</sup> (consumer, inhalation, long-term exposition - local effects)

*Predicted No-Effect Concentration (PNEC):*

Sewage treatment system (STP): 1 mg/l

*Additional Information:*

**8.2. Exposure Controls**

*Technical protective measures:*

Provide adequate ventilation in case of dust formation.

*Personal Protection*

*General protective measures:*

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

*Respiratory protection:*

Suitable respiratory protection for lower concentration or short-term effect: particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, type P2 or FFP2).

*Hand protection:*

Chemical protective gloves (EN 374 (Europe), F739 (US)).

The manufacturer's directions for use should be observed because of the great diversity of types.

*Protective glove material:*

Recommended: min. 0.4 mm thickness, breakthrough time > 480 min.

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*Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm).*

*Eye protection:*

*Safety glasses with protective shields (EN 166).*

*Body protection:*

*Environmental precautions:*

*Do not allow entering sewerage system.*

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### 9. Physical and Chemical Properties

#### 9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>red</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>ca. 8</i>
<i>Melting temperature:</i>	<i>&gt; 330°C</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>&gt; 500°C (BAM) not easily flammable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>1.35 g/cm<sup>3</sup> (25°C)</i>
<i>Solubility in water:</i>	<i>&lt; 0.1 g/l, insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>4.6 logKOW (20°C)</i>
<i>Auto-ignition temperature:</i>	<i>&gt; 400°C</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>

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*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*Product does not present an explosion hazard.*

*Oxidizing properties:*

*not oxidizing*

*Bulk density:*

*263 kg/m<sup>3</sup>*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*Surface tension: 72.7 mN/m (20°C)*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.*

*Formation of flammable gases: > 350°C*

### 10.2. Chemical Stability

*Stable if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

*Risk of dust explosion.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid electrostatic discharge.*

*Thermal decomposition:*

*No data available.*

### 10.5. Incompatible Materials

*No information available.*

### 10.6. Hazardous Decomposition Products

*None if stored and handled according to specifications.*

### 10.7. Further Information

*Corrosion of metals: not corrosive.*

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

*> 2000 mg/kg (rat)*

*LD50, dermal:*

*> 2000 mg/kg (rat; OECD 402)*

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*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*Non irritating (rabbit; OECD 404)*

*Irritant effect on eyes:*

*Non-irritating to eyes (rabbit)*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No sensitizing effect (guinea pig).*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*Single exposure: the substance or mixture is not classified as specific target organ toxicant.*

*Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.*

*Additional toxicological information:*

*Aspiration hazard: not applicable*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*LC50: > 100 mg/l (96h, Cyprinus carpio; OECD 203)*

*Daphnia toxicity:*

*EC50: > 100 mg/l (Daphnia magna)*

*Bacteria toxicity:*

*EC50: > 100 mg/l (3h, active sludge; OECD 209)*

*Toxicity to soil dwelling organisms:*

*LC50: > 1000 mg/kg (14d, Eisenia foetida)*

*Toxicity to Terrestrial Plants:*

*EC100: > 1000 mg/kg (Lolium perenne; OECD 208)*

*Algae toxicity:*

*EC50: > 30 mg/l (72h, Scenedesmus subspicatus)*

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## 12.2. Persistency and Degradability

*Biologically non-degradable (mod. Sturm-Test, 28 days).*

## 12.3. Bioaccumulation

*Bioaccumulation is not to be expected.*

## 12.4. Mobility

*No information available.*

## 12.5. Results of PBT- und vPvP Assessment

*According to Annex VIII to Regulation (EC) No. 1907/2006 (REACH): this product is neither a PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative/very toxic) substance nor does it contain a PBT or vPvB substance.*

## 12.6. Other Adverse Effects

*Water hazard class:*

*1, slightly hazardous*

*Behaviour in sewage systems:*

*Further ecological effects:*

*The product is not soluble in water. No negative effects expected.*

*AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*Product:*

*In accordance with current regulations, product may be taken to an incineration plant.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Uncontaminated packaging may be recycled.*

*Packaging may be disposed of in the same manner as the product.*

*Waste Code No.:*

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## 14. Transport Information

### 14.1. UN Number

*ADR, IMDG, IATA*

### 14.2. UN Proper Shipping Name

*ADR/RID:*

*No hazardous goods according to ADR (land transportation).*

*IMDG/IATA:*

*No hazardous goods according to IMDG.*

### 14.3. Transport Hazard Classes

*ADR Class:*

*not applicable*

*Hazard no.:*

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*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*Hazard no.:*

*EmS No.:*

*IATA Class:*

*not applicable*

*Hazard no.:*

**14. 4. Packaging Group**

*ADR/RID:*

*not applicable*

*IMDG:*

*IATA:*

**14. 5. Environmental Hazards**

*None*

**14. 6. Special Precautions for User**

*not applicable*

**14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code**

*not evaluated*

**14. 8. Further Information**

*Not classified as a dangerous good under transport regulations.*

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**15. Regulatory Information**

**15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture**

*Water hazard class:*

*1, slightly hazardous for water (German Regulation, Assessment by list)*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

**15. 2. Chemical Safety Assessment**

*A Chemical Safety Assessment has not yet been carried out for this product.*

**15. 3. Further Information**

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**16. Other Information**

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*