

# Safety Data Sheet

## Rightfit® Red K 4350

Revision date : 2017/05/09

Version: 3.0

Page: 1/9

(30361340/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

**Rightfit® Red K 4350**

#### Recommended use of the chemical and restriction on use

Recommended use\*: pigment preparation

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF Colors & Effects USA LLC  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Chemical family: pigment

---

### 2. Hazards Identification

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

#### Classification of the product

|                  |                      |                                                |
|------------------|----------------------|------------------------------------------------|
| Aquatic Acute    | 3                    | Hazardous to the aquatic environment - acute   |
| Aquatic Chronic  | 3                    | Hazardous to the aquatic environment - chronic |
| Combustible Dust | Combustible Dust (1) | Combustible Dust                               |

#### Label elements

Signal Word:  
Warning

# Safety Data Sheet

## Rightfit® Red K 4350

Revision date : 2017/05/09  
Version: 3.0

Page: 2/9  
(30361340/SDS\_GEN\_US/EN)

### Hazard Statement:

H402 May form combustible dust concentration in air.  
H402 Harmful to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary Statements (Prevention):

P273 Avoid release to the environment.

### Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

## 3. Composition / Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

| <u>CAS Number</u> | <u>Weight %</u>     | <u>Chemical name</u>     |
|-------------------|---------------------|--------------------------|
| Trade Secret      | >= 75.0 - <= 100.0% | Pigment Red              |
| 1332-58-7         | >= 0.0 - < 5.0%     | Kaolin                   |
| 107-41-5          | >= 0.0 - < 3.0%     | 2-methylpentane-2,4-diol |

## 4. First-Aid Measures

### Description of first aid measures

#### General advice:

Remove contaminated clothing.

#### If on skin:

Wash thoroughly with soap and water.

If irritation develops, seek medical attention.

#### If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If irritation develops, seek medical attention.

#### If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

### Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Further important symptoms and effects are so far not known.

# Safety Data Sheet

## Rightfit® Red K 4350

Revision date : 2017/05/09  
Version: 3.0

Page: 3/9  
(30361340/SDS\_GEN\_US/EN)

### Indication of any immediate medical attention and special treatment needed

#### Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

---

## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### Advice for fire-fighters

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus in confined areas or when exposed to combustion products.

### Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

### Impact Sensitivity:

|                               |                      |
|-------------------------------|----------------------|
| Value:                        | 40 J                 |
| Method:                       | Explosive Properties |
| Number of positive reactions: | 0                    |
| Assessment:                   | not shock-sensitive  |

---

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

### Environmental precautions

Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).

Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off product.

Spills should be contained, solidified, and placed in suitable containers for disposal.

---

## 7. Handling and Storage

### Precautions for safe handling

No special measures necessary provided product is used correctly.

# Safety Data Sheet

## Rightfit® Red K 4350

Revision date : 2017/05/09  
Version: 3.0

Page: 4/9  
(30361340/SDS\_GEN\_US/EN)

Protection against fire and explosion:  
No special precautions necessary.

### Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep container tightly closed. Keep away from food, drink and animal feeding stuffs.

## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

|                          |                           |                                                                                                                                                                                                                                                                                                                                      |
|--------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2-methylpentane-2,4-diol | OSHA PEL<br>ACGIH TLV     | CLV 25 ppm 125 mg/m <sup>3</sup> ;<br>CLV 25 ppm ;                                                                                                                                                                                                                                                                                   |
| Kaolin                   | OSHA PEL<br><br>ACGIH TLV | PEL 5 mg/m <sup>3</sup> Respirable fraction ; PEL 15 mg/m <sup>3</sup> Total dust ; TWA value 10 mg/m <sup>3</sup> Total dust ; TWA value 5 mg/m <sup>3</sup> Respirable fraction ;<br>TWA value 2 mg/m <sup>3</sup> Respirable fraction ;<br>The value is for particulate matter containing no asbestos and <1% crystalline silica. |

### Personal protective equipment

#### **Respiratory protection:**

Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapour/aerosol release.

#### **Hand protection:**

Wear chemical resistant protective gloves.

#### **Eye protection:**

Safety glasses with side-shields.

#### **Body protection:**

Full-body protective clothing

#### **General safety and hygiene measures:**

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Form:                             | powder                               |
| Odour:                            | odourless                            |
| Odour threshold:                  | No applicable information available. |
| Colour:                           | red                                  |
| pH value:                         | 10<br>( 10 g/l, 25 °C)               |
| melting point<br>(decomposition): | > 200 °C                             |
| Boiling point:                    | not applicable                       |

# Safety Data Sheet

## Rightfit® Red K 4350

Revision date : 2017/05/09  
Version: 3.0

Page: 5/9  
(30361340/SDS\_GEN\_US/EN)

|                                                     |                                                                                                                                                                                                                                                     |                                |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| Flash point:                                        | not applicable                                                                                                                                                                                                                                      |                                |
| Flammability:                                       | not highly flammable                                                                                                                                                                                                                                | (Regulation 440/2008/EC, A.10) |
| Vapour pressure:                                    | The product has not been tested.                                                                                                                                                                                                                    |                                |
| Bulk density:                                       | approx. 200 - 300 kg/m <sup>3</sup>                                                                                                                                                                                                                 |                                |
| Partitioning coefficient n-octanol/water (log Pow): | Study scientifically not justified.                                                                                                                                                                                                                 |                                |
| Self-ignition temperature:                          | not self-igniting                                                                                                                                                                                                                                   |                                |
| Thermal decomposition:                              | 300 °C, 340 J/g (DSC (DIN 51007))<br>It is not a self-decompositionable substance. self-accelerating reaction<br>170 °C, 90 J/g (DSC (DIN 51007))<br>Not a substance liable to self-decomposition according to UN transport regulations, class 4.1. |                                |
| Viscosity, dynamic:                                 | not determined                                                                                                                                                                                                                                      |                                |
| Solubility in water:                                | insoluble                                                                                                                                                                                                                                           |                                |
| Evaporation rate:                                   | The product is a non-volatile solid.                                                                                                                                                                                                                |                                |
| Other Information:                                  | If necessary, information on other physical and chemical parameters is indicated in this section.                                                                                                                                                   |                                |

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

Minimum ignition energy:

> 1 J, approx. 1 bar, approx. 20 °C, Inductivity: 1 mH (VDI 2263, sheet 1, 2.5)

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

### Conditions to avoid

> 250 degrees Celsius

Avoid heat.

### Incompatible materials

strong oxidizing agents

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

300 °C, 2.5 K/min (DSC (DIN 51007))

# Safety Data Sheet

## Rightfit® Red K 4350

Revision date : 2017/05/09  
Version: 3.0

Page: 6/9  
(30361340/SDS\_GEN\_US/EN)

It is not a self-decompositionable substance. self-accelerating reaction  
170 °C, 2.5 K/min (DSC (DIN 51007))  
Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.

## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

#### Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

#### Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

#### Eye

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

#### Sensitization

Assessment of sensitization: Based on available Data, the classification criteria are not met.

Result: Non-sensitizing.

### Chronic Toxicity/Effects

#### Genetic toxicity

Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.

#### Carcinogenicity

Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

#### Reproductive toxicity

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

#### Other Information

# Safety Data Sheet

## Rightfit® Red K 4350

Revision date : 2017/05/09  
Version: 3.0

Page: 7/9  
(30361340/SDS\_GEN\_US/EN)

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.  
The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

### Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.  
Further important symptoms and effects are so far not known.

---

## 12. Ecological Information

### Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O)

The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant

Elimination information

Not readily biodegradable (by OECD criteria).

### Bioaccumulative potential

Assessment bioaccumulation potential

No data available.

### Mobility in soil

Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.

No data available.

---

## 13. Disposal considerations

### Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA. This product does not possess any of the four identifying characteristics of hazardous waste (ignitability, corrosivity, reactivity, or toxicity).

### Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA: None

# Safety Data Sheet

## Rightfit® Red K 4350

Revision date : 2017/05/09  
Version: 3.0

Page: 8/9  
(30361340/SDS\_GEN\_US/EN)

### 14. Transport Information

**Land transport**  
USDOT

Not classified as a dangerous good under transport regulations

**Sea transport**  
IMDG

Not classified as a dangerous good under transport regulations

**Air transport**  
IATA/ICAO

Not classified as a dangerous good under transport regulations

### 15. Regulatory Information

#### Federal Regulations

**Registration status:**

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Fire (Combustible Dust);

#### State regulations

**State RTK**

NJ

**CAS Number**

107-41-5

1332-58-7

**Chemical name**

2-methylpentane-2,4-diol

Kaolin

PA

107-41-5

1332-58-7

2-methylpentane-2,4-diol

Kaolin

**NFPA Hazard codes:**

Health : 1

Fire: 1

Reactivity: 0

Special:

**HMIS III rating**

Health: 1 $\square$

Flammability: 1

Physical hazard: 0

### 16. Other Information

**SDS Prepared by:**

BASF NA Product Regulations

SDS Prepared on: 2017/05/09

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our



# Safety Data Sheet

## Rightfit® Red K 4350

Revision date : 2017/05/09  
Version: 3.0

Page: 9/9  
(30361340/SDS\_GEN\_US/EN)

operations on society and the environment during production, storage, transport, use and disposal of our products.

---

Rightfit® Red K 4350 END OF DATA SHEET