

# Safety Data Sheet

## RHEOCOLOR® L BLACK

Revision date : 2010/10/06  
Version: 2.0

Page: 1/6  
(30460085/SDS\_GEN\_US/EN)

### 1. Product and Company Identification

Company  
BASF CORPORATION  
100 Campus Drive  
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information  
CHEMTREC: 1-800-424-9300  
BASF HOTLINE: 1-800-832-HELP

### 2. Hazards Identification

#### Emergency overview

**CAUTION:**  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
Ingestion may cause irritation to mucous membranes.  
Avoid contact with the skin, eyes and clothing.  
Wash thoroughly after handling.  
Keep container tightly closed.

State of matter: liquid  
Colour: black  
Odour: not applicable

#### Potential health effects

##### **Primary routes of exposure:**

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

##### **Acute toxicity:**

Ingestion may cause gastrointestinal disturbances. The product has not been tested. The statement has been derived from products of a similar structure or composition.

##### **Irritation / corrosion:**

Not irritating to eyes and skin. No irritation is expected under intended use and appropriate handling.

#### Potential environmental effects

##### **Aquatic toxicity:**

The product has not been tested.

### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
-------------------	----------------------	----------------------

# Safety Data Sheet

## RHEOCOLOR® L BLACK

Revision date : 2010/10/06  
Version: 2.0

Page: 2/6  
(30460085/SDS\_GEN\_US/EN)

1317-61-9	60.0 - 100.0 %	Iron oxide (Fe <sub>3</sub> O <sub>4</sub> )
1333-86-4	3.0 - 7.0 %	carbon black

---

### 4. First-Aid Measures

**General advice:**

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

**If inhaled:**

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

**If on skin:**

After contact with skin, wash immediately with plenty of water and soap. Under no circumstances should organic solvent be used. If irritation develops, seek medical attention.

**If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**If swallowed:**

Rinse mouth immediately with water. Seek medical attention if necessary. Do not induce vomiting unless told to by a poison control center or doctor.

---

### 5. Fire-Fighting Measures

Flash point: not applicable  
Lower explosion limit: not applicable

**Suitable extinguishing media:**

foam, water spray, dry powder, carbon dioxide

**Unsuitable extinguishing media for safety reasons:**

water jet

**Hazards during fire-fighting:**

carbon monoxide, carbon dioxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

**Protective equipment for fire-fighting:**

Wear a self-contained breathing apparatus.

**Further information:**

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

---

### 6. Accidental release measures

**Personal precautions:**

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Handle in accordance with good building materials hygiene and safety practice.

**Environmental precautions:**

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

# Safety Data Sheet

## RHEOCOLOR® L BLACK

Revision date : 2010/10/06  
Version: 2.0

Page: 3/6  
(30460085/SDS\_GEN\_US/EN)

### Cleanup:

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Dispose of contaminated material as prescribed.

For large amounts: Pump off product.

---

## 7. Handling and Storage

### Handling

#### General advice:

Avoid aerosol formation. Avoid inhalation of mists/vapours. Avoid skin contact. No special measures necessary provided product is used correctly.

#### Protection against fire and explosion:

The product does not contribute to the spreading of flames, nor is it self combustible, not explosive.

### Storage

#### General advice:

Keep only in the original container in a cool, well-ventilated place. Store protected against freezing.

#### Temperature tolerance

Protect from temperatures below: 40 °F

The packed product must be protected from temperatures below the indicated one.

---

## 8. Exposure Controls and Personal Protection

### Components with workplace control parameters

carbon black	OSHA	PEL 3.5 mg/m3 ;
	ACGIH	TWA value 3.5 mg/m3 ;

### Personal protective equipment

#### Respiratory protection:

When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators.

#### Hand protection:

Wear chemical resistant protective gloves.

#### Eye protection:

Safety glasses with side-shields.

#### Body protection:

depending upon conditions of use., Cover as much of the exposed skin as possible to prevent all skin contact., light protective clothing

#### General safety and hygiene measures:

Avoid contact with the skin, eyes and clothing. In order to prevent contamination while handling, closed working clothes and working gloves should be used. Handle in accordance with good building materials hygiene and safety practice. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks).

---

## 9. Physical and Chemical Properties

Form:	liquid, dispersion
Odour:	not applicable
Colour:	black
pH value:	9 - 9.5 ( 22 °C)

# Safety Data Sheet

## RHEOCOLOR® L BLACK

Revision date : 2010/10/06  
Version: 2.0

Page: 4/6  
(30460085/SDS\_GEN\_US/EN)

---

Boiling point:	100 °C	( 1 ATM)
Vapour pressure:	17.535 mmHg	( 20 °C)
Density:	15 lb/USg	( 72 °C)
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Solubility in water:		dispersible

---

### 10. Stability and Reactivity

**Conditions to avoid:**

Avoid extreme temperatures.

**Substances to avoid:**

strong acids, strong bases, strong oxidizing agents

**Hazardous reactions:**

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

**Decomposition products:**

No data available.

**Thermal decomposition:**

No decomposition if stored and handled as prescribed/indicated.

**Oxidizing properties:**

Based on its structural properties the product is not classified as oxidizing.

---

### 11. Toxicological information

**Repeated dose toxicity**

*Information on: Iron oxide (Fe<sub>3</sub>O<sub>4</sub>)*

*Assessment of repeated dose toxicity:*

*Chronic exposures have been known to produce pneumoconiosis (chronic inflammatory and fibrotic lung disease).*

*The substance may cause increase in lung mass and lung tissue changes after repeated inhalation.*

-----

**Carcinogenicity**

*Information on: carbon black*

*IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term animal studies in which the substance was given by inhalation in high concentrations, a carcinogenic effect was observed. A clear indication of an increased risk of cancer in humans has so far not been shown.*

-----

**Other Information:**

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 products of a similar structure and composition.

---

### 12. Ecological Information

**Degradability / Persistence**  
**Biological / Abiological Degradation**

# Safety Data Sheet

## RHEOCOLOR® L BLACK

Revision date : 2010/10/06  
Version: 2.0

Page: 5/6  
(30460085/SDS\_GEN\_US/EN)

**Evaluation:** Inherently biodegradable.  
The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants.

**Other adverse effects:**

Ecological data are not available.

---

### 13. Disposal considerations

**Waste disposal of substance:**

Recommendations: Use excess product in an alternate beneficial application. Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with local authority regulations.

**Container disposal:**

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

---

### 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

**OSHA hazard category:**

IARC 1, 2A or 2B carcinogen; Chronic target organ effects reported; ACGIH TLV established

**EPCRA 311/312 (Hazard categories):**

Acute;

**State regulations**

**State RTK**  
MA, NJ, PA

**CAS Number**  
1333-86-4

**Chemical name**  
carbon black

# Safety Data Sheet

## RHEOCOLOR® L BLACK

Revision date : 2010/10/06  
Version: 2.0

Page: 6/6  
(30460085/SDS\_GEN\_US/EN)

**CA Prop. 65:**

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

---

### 16. Other Information

**NFPA Hazard codes:**

Health : 1      Fire: 0      Reactivity: 0      Special:

**HMIS III rating**

Health: 1      Flammability: 0      Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

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

---

**MSDS Prepared by:**

BASF NA Product Regulations  
msds@basf.com  
MSDS Prepared on: 2010/10/06

RHEOCOLOR is a registered trademark of BASF Corporation or BASF SE  
IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.  
END OF DATA SHEET