

# Safety data sheet

## PS1414 JET BLACK

Revision date : 2009/05/18  
Version: 1.0

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(30368222/SDS\_GEN\_US/EN)

### 1. Substance/preparation 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. Composition/information on ingredients

| <u>CAS Number</u> | <u>Content (W/W)</u> | <u>Chemical name</u> |
|-------------------|----------------------|----------------------|
| 1333-86-4         | 25.0 - 40.0 %        | carbon black         |

### 3. Hazard 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.

#### 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:**

No data available.

##### **Irritation:**

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

#### Potential environmental effects

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

At the present state of knowledge, no negative ecological effects are expected.  
There is a high probability that the product is not acutely harmful to aquatic organisms.  
The product has not been tested. The statement has been derived from products of a similar structure and composition.

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### 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:**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**If swallowed:**

Rinse mouth immediately and then drink plenty of water, seek medical attention. Do not induce vomiting unless told to by a poison control center or doctor.

**Note to physician**

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

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### 5. Fire-fighting measures

Flash point: Non-flammable.  
Lower explosion limit: not applicable

**Suitable extinguishing media:**

foam, water spray, dry extinguishing media, 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:**

Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. 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.

**NFPA Hazard codes:**

Health : 1      Fire: 1      Reactivity: 0      Special:

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### 6. Accidental release measures

**Personal precautions:**

Use personal protective clothing. Do not breathe vapour/aerosol/spray mists. Sources of ignition should be kept well clear. 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.

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### 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.

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## 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 substance/product is non-combustible. The product does not contribute to the spreading of flames, nor is it self combustible, not explosive. Take precautionary measures against static discharges.

### Storage

#### General advice:

Keep away from heat. Keep container tightly closed and dry; store in a cool place.

#### Temperature tolerance

Protect from temperatures below: 0 °C

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

Protect from temperatures below: 32 °F

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

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## 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 ; |

#### Advice on system design:

Provide local exhaust ventilation to maintain recommended P.E.L.

### 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:

Impermeable 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).

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### 9. Physical and chemical properties

|                                                        |              |                    |
|--------------------------------------------------------|--------------|--------------------|
| Form:                                                  | liquid       |                    |
| Odour:                                                 | slight odour |                    |
| Colour:                                                | black        |                    |
| pH value:                                              |              | Unspecified        |
| Boiling point:                                         | 65 - 100 °C  |                    |
| Vapour pressure:                                       |              | No data available. |
| Vapour density:                                        |              | No data available. |
| Partitioning coefficient<br>n-octanol/water (log Pow): |              | No data available. |
| 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:**

carbon oxides, nitrogen oxides

**Thermal decomposition:**

No decomposition if stored and handled as prescribed/indicated.

### 11. Toxicological information

**Acute toxicity**

**Oral:**

No data available.

**Inhalation:**

No data available.

**Dermal:**

No data available.

**Chronic toxicity**

**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.*

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### 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.

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## 12. Ecological information

### Environmental toxicity

#### Other ecotoxicological advice:

Ecological data are not available.

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## 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.

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## 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

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## 15. Regulatory information

### Federal Regulations

#### Registration status:

TSCA, US

released / listed

#### OSHA hazard category:

TLV established

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

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**SARA hazard categories (EPCRA 311/312):** Acute, Chronic

### State regulations

#### State RTK

CAS Number  
1333-86-4

Chemical name  
carbon black

State RTK  
MA, NJ, PA

#### CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

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## 16. Other information

### HMIS III rating

Health: 1      Flammability: 1      Physical hazard: 0

HMIS uses 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 high hazard.

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### Local contact information

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