

Safety data sheet

QUIK BASE COAT

Revision date : 2008/07/18

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Version: 1.0

(261035/MDS_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> |
|-------------------|----------------------|-------------------------|
| 14808-60-7 | 60.0 - 100.0 % | crystalline silica |
| 13463-67-7 | 1.0 - 5.0 % | titanium dioxide |
| 65997-17-3 | 0.1 - 1.0 % | Glass, oxide, chemicals |

3. Hazard identification

Emergency overview

WARNING: 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.

No exposure to respirable Crystalline (quartz) Silica anticipated with recommended use of product.

No exposure to respirable titanium dioxide anticipated with recommended use of product.

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.

4. First-aid measures

If inhaled:

Remove victim to fresh air and away from exposure immediately. If not breathing, give artificial respiration. Seek medical attention.

If on skin:

Remove contaminated clothing. Wash thoroughly with soap and water. If symptoms persist, seek medical advice.

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If in eyes:

Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

If swallowed:

Do not induce vomiting unless told to by a poison control center or doctor. If person is conscious and can swallow, give two glasses of water.

5. Fire-fighting measures

Flash point: 93.33 °C

Suitable extinguishing media:

carbon dioxide, dry extinguishing media, foam, water fog

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Sealed containers should be protected against heat as this results in pressure build-up. Keep containers cool by spraying with water if exposed to fire.

6. Accidental release measures

Personal precautions:

Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions:

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

Cleanup:

Dike spillage. Vacuum up spilled product. Pick up with inert absorbent material (if possible). Dispose of absorbed material in accordance with regulations.

7. Handling and storage

Handling

General advice:

Ensure thorough ventilation of stores and work areas.

Storage

General advice:

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.

8. Exposure controls and personal protection

Components with workplace control parameters

| | | |
|--------------------|------|--|
| crystalline silica | OSHA | TWA value 2.4 millions of particles per cubic foot of air Respirable ; TWA value 0.1 mg/m ³ Respirable ; TWA value 0.3 mg/m ³ Total dust ; |
|--------------------|------|--|

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| | | |
|-------------------------|------------------------|---|
| titanium dioxide | ACGIH OSHA ACGIH | TWA value 0.025 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ; TWA value 10 mg/m3 ; |
| Glass, oxide, chemicals | ACGIH | TWA value 5 mg/m3 Inhalable fraction ; TWA value 1 fibers/cm ³ Fiber ; TWA value 1 fibers/cm ³ Fiber ; TWA value 0.2 fibers/cm ³ Fiber ; |

Advice on system design:

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

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) respirator as necessary.

Hand protection:

impermeable gloves

Eye protection:

Safety glasses with side-shields. Wear face shield if splashing hazard exists.

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Food, beverages, and tobacco products shall not be carried, stored, or consumed where this material is in use. Hands and/or face should be washed before breaks and at the end of the shift. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

| | | |
|---|----------------|--------------------|
| Form: | liquid | |
| Odour: | mild, sweetish | |
| Colour: | pigmented | |
| pH value: | 9 - 10 | |
| Vapour pressure: | | No data available. |
| Relative density: | 1.1 - 1.4 | |
| Vapour density: | | Heavier than air. |
| Partitioning coefficient n-octanol/water (log Pow): | | No data available. |
| Viscosity, dynamic: | | No data available. |
| Solubility in other solvents: | | partly soluble |

10. Stability and reactivity

Conditions to avoid:

Avoid prolonged exposure to extreme heat. Avoid freezing.

Hazardous reactions:

The product is chemically stable.

No hazardous reactions when stored and handled according to instructions.

Decomposition products:

No hazardous decomposition products known.

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11. Toxicological information

Acute toxicity

Oral:

No data available.

Inhalation:

No data available.

Dermal:

No data available.

Chronic toxicity

Carcinogenicity:

IARC has determined that there is sufficient evidence of carcinogenicity in both humans and experimental animals for inhaled crystalline silica in the form of quartz or cristobalite.

Information on: crystalline silica

The International Agency for Research on Cancer (IARC) has classified this substance as a Group 1 (known) human carcinogen.

Information on: titanium dioxide

IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

In long-term studies in rats in which the substance was given by inhalation, a carcinogenic effect was observed.

Tumors were only observed in rats after chronic inhalative exposure to high concentrations which caused sustained lung inflammation.

In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed.

Dermal exposure is not expected to be carcinogenic.

12. Ecological information

Environmental toxicity

Other ecotoxicological advice:

Ecological data are not available.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations.

Recommendations: Use excess product in an alternate beneficial application.

14. Transport information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

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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:

TSCA, US

released / listed

OSHA hazard category: IARC 1, 2A or 2B carcinogen, NTP listed carcinogen, Chronic target organ effects reported, OSHA PEL established, ACGIH TLV established

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

State regulations

State RTK

CAS Number

14808-60-7

13463-67-7

65997-17-3

Chemical name

crystalline silica

titanium dioxide

Glass, oxide, chemicals

State RTK

MA, NJ, PA

MA, NJ, PA

MA, NJ, PA

CA Prop. 65:

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

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.

Local contact information

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