

Safety Data Sheet

NP2 RPC PIGMENTS (ALL COLORS)

Revision date : 2009/11/17

Version: 1.0

Page: 1/6

(452925/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

WARNING:
MODERATELY TO SEVERELY IRRITATING TO THE EYE.
MAY CAUSE SKIN IRRITATION.
Ingestion may cause gastrointestinal disturbances.
Avoid contact with the skin, eyes and clothing.
Wash thoroughly after handling.
Keep container tightly closed.

State of matter: solid
Colour: various colours
Odour: slight odour

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.

Irritation / corrosion:

Severely irritating to the eyes. Irritating to skin.

Sensitization:

There is no evidence of a skin-sensitizing potential.

Potential environmental effects

Aquatic toxicity:

No data available concerning aquatic toxicity.

3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
13463-67-7	>= 0.7 - <= 50.0 %	Titanium dioxide

Safety Data Sheet

NP2 RPC PIGMENTS (ALL COLORS)

Revision date : 2009/11/17
Version: 1.0

Page: 2/6
(452925/SDS_GEN_US/EN)

25791-96-2	>= 0.7 - <= 40.0 %	Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha."-1,2,3-propanetriyltris[.omega.-hydroxy-
1328-53-6	>= 0.1 - <= 70.0 %	C.I. Pigment Green 7
147-14-8	>= 0.1 - <= 65.0 %	C.I. Pigment Blue 15
	>= 0.1 - <= 45.0 %	Proprietary polymer 23EB
1333-86-4	>= 0.1 - <= 12.0 %	carbon black
7631-86-9	>= 0.0 - <= 6.0 %	Silicon dioxide
21645-51-2	>= 0.0 - <= 5.0 %	aluminium hydroxide

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:	193.33 °C	(ASTM D93)
Autoignition:		No data available.
Lower explosion limit:		No data available.
Upper explosion limit:		No data available.
Self-ignition temperature:		not self-igniting

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:

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.

Safety Data Sheet

NP2 RPC PIGMENTS (ALL COLORS)

Revision date : 2009/11/17
Version: 1.0

Page: 3/6
(452925/SDS_GEN_US/EN)

Environmental precautions:

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

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. Take precautionary measures against static discharges.

Storage

General advice:

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

8. Exposure Controls and Personal Protection

Components with workplace control parameters

Titanium dioxide	OSHA	PEL 15 mg/m3 Total dust ;
	ACGIH	TWA value 10 mg/m3 ;
carbon black	OSHA	PEL 3.5 mg/m3 ;
	ACGIH	TWA value 3.5 mg/m3 ;
aluminium hydroxide	ACGIH	TWA value 1 mg/m3 Respirable fraction ;
Silicon dioxide	OSHA	TWA value 20 millions of particles per cubic foot of air ;
		TWA value 0.8 mg/m3 ;
		The value is calculated from a specified equation using a value of 100%. Lower values of % will give higher exposure limits. See regulation for specific equation.

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

Safety Data Sheet

NP2 RPC PIGMENTS (ALL COLORS)

Revision date : 2009/11/17
Version: 1.0

Page: 4/6
(452925/SDS_GEN_US/EN)

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:	paste	
Odour:	slight odour	
Colour:	various colours	
pH value:		not applicable
Melting point:		not applicable
Vapour pressure:		No data available.
Density:	> 1 g/cm ³	
Bulk density:	1,800 - 2,400 kg/m ³	
Vapour density:		Heavier than air.
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Viscosity, dynamic:		No data available.

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:

irritant gases/vapours, carbon oxides

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

Irritation / corrosion

Information on: Proprietary polymer 23EB

Assessment of irritating effects:

Not irritating to the skin. May cause severe damage to the eyes. The product has not been tested. The statement has been derived from products of a similar structure and composition.

Information on: Poly[oxy(methyl-1,2-ethanediyl)], .alpha.,.alpha.',.alpha."-1,2,3- propanetriyltris[.omega.-hydroxy-

Assessment of irritating effects:

An in vitro test indicated the potential to cause serious damage to the eyes. An in vitro test did not indicate the potential to cause skin corrosion.

Safety Data Sheet

NP2 RPC PIGMENTS (ALL COLORS)

Revision date : 2009/11/17
Version: 1.0

Page: 5/6
(452925/SDS_GEN_US/EN)

Carcinogenicity

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.

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.

Experiences in humans:

According to experience, the product is considered to be harmless to health if used in the correct manner.

Other Information:

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

12. Ecological Information

Other adverse effects:

The product has not been tested. Do not allow to enter soil, waterways or waste water channels.

13. Disposal considerations

Waste disposal of substance:

Observe national and local legal requirements. Residues should be disposed of in the same manner as the substance/product.

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

Reference Bill of Lading

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

State regulations

Safety Data Sheet

NP2 RPC PIGMENTS (ALL COLORS)

Revision date : 2009/11/17
Version: 1.0

Page: 6/6
(452925/SDS_GEN_US/EN)

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
MA, NJ, PA	13463-67-7	Titanium dioxide
NJ	1328-53-6	C.I. Pigment Green 7
NJ	147-14-8	C.I. Pigment Blue 15
MA, NJ, PA	1333-86-4	carbon black
MA, NJ, PA	7631-86-9	Silicon dioxide

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.

16. Other Information

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.

BASF supports 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.

Local Contact Information

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