

Safety data sheet

TF100 GRAY PTB

Revision date : 2008/09/03
Version: 2.2

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(30416337/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company

BASF Construction Chemicals, LLC
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>
5285-60-9	40.0 - 70.0 %	Benzenamine, 4,4'-methylenebis(N-(1-methylpropyl)-
9046-10-0	15.0 - 40.0 %	alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)-
		poly(oxy(methyl-1,2-ethanediyl))
68479-98-1	7.0 - 13.0 %	diethylmethylbenzenediamine
1333-86-4	0.5 - 1.5 %	carbon black

3. Hazard identification

Emergency overview

WARNING:
HARMFUL IF ABSORBED THROUGH SKIN.
MAY CAUSE BURNS.
MAY BE HARMFUL IF INHALED.
May cause sensitization by skin contact.
Prolonged contact may cause allergic skin reactions.
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:

Information on: alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl))
Harmful in contact with skin and if swallowed.

Information on: diethylmethylbenzenediamine

The substance/product can be absorbed through the skin in toxic amounts.

Irritation:

Information on: alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)- poly(oxy(methyl-1,2-ethanediyl))
Causes burns. Risk of serious damage to eyes.

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Sensitization:

*Information on: diethylmethylbenzenediamine
May cause sensitization by skin contact.*

4. First-aid measures

If inhaled:

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

If on skin:

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

If in eyes:

Flush with copious amounts of water for at least 15 minutes.

If swallowed:

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. 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: 135 °C

Autoignition:

No data available.

Lower explosion limit:

No data available.

Upper explosion limit:

No data available.

Suitable extinguishing media:

carbon dioxide, dry extinguishing media, foam, water fog

Hazards during fire-fighting:

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

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:

Clear area. Ensure adequate ventilation.

Environmental precautions:

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

Cleanup:

Contain spillage. Pick up with inert absorbent material (if possible). Spills should be contained and placed in suitable containers for disposal. Dispose of absorbed material in accordance with regulations.

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7. Handling and storage

Handling

General advice:

Avoid contact with the skin, eyes and clothing. Ensure thorough ventilation of stores and work areas.

Storage

General advice:

Keep container tightly closed. Store in an approved area.

8. Exposure controls and personal protection

Components with workplace control parameters

carbon black	OSHA	PEL 3.5 mg/m ³ ;
	ACGIH	TWA value 3.5 mg/m ³ ;

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:

Wear chemical resistant protective gloves.

Eye protection:

Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Precautions must be taken so that persons handling isocyanates do not breathe the vapors or have it contact the eyes or skin. Wear protective clothing as necessary to prevent contact. Eye wash fountains and safety showers must be easily accessible. Observe the appropriate PEL value. 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. Wash soiled clothing immediately. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	liquid	
Odour:	amine-like, slight odour	
Colour:	pigmented	
pH value:		No data available.
Vapour pressure:		No data available.
Relative density:	1.11	
Vapour density:		No data available.
Partitioning coefficient n-octanol/water (log Pow):		No data available.
Viscosity, dynamic:		No data available.

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10. Stability and reactivity

Substances to avoid:

strong oxidizing agents, acids

Decomposition products:

carbon oxides, nitrogen oxides, aldehydes, ketones

11. Toxicological information

Acute toxicity

Oral:

No data available.

Inhalation:

No data available.

Dermal:

No data available.

Carcinogenicity:

Information on: diethylmethylbenzenediamine

The chemical structure suggests a carcinogenic potential.

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:

Information on: carbon black

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

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Land transport

USDOT

Hazard class: 8
Packing group: II
ID number: UN 1760
Hazard label: 8
Proper shipping name: CORROSIVE LIQUID, N.O.S. (contains POLYOXYPROPYLENEDIAMINE)

Sea transport

IMDG

Hazard class: 8
Packing group: II
ID number: UN 1760
Hazard label: 8
Marine pollutant: NO
Proper shipping name: CORROSIVE LIQUID, N.O.S. (contains POLYOXYPROPYLENEDIAMINE)

Air transport

IATA/ICAO

Hazard class: 8
Packing group: II
ID number: UN 1760
Hazard label: 8
Proper shipping name: CORROSIVE LIQUID, N.O.S. (contains POLYOXYPROPYLENEDIAMINE)

15. Regulatory information

Federal Regulations

Registration status:

TSCA, US released / listed

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

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.

16. Other information

HMIS III rating

Health: 3 Flammability: 1 Physical hazard: 0

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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

NTU/R NAFTA

END OF DATA SHEET