

# Safety data sheet

## SET 45

Revision date : 2009/06/17  
Version: 1.0

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(30368387/SDS\_GEN\_CA/EN)

### 1. Substance/preparation and company identification

Company  
BASF CANADA  
100 Milverton Drive  
Mississauga, ON L5R 4H1

24 Hour Emergency Response Information  
CANUTEC (reverse charges): (613) 996-6666  
BASF HOTLINE (800) 454-COPE (2673)

### 2. Hazardous ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
10043-35-3	>= 0.1 - <= 1.0 %	boric acid
14808-60-7	>= 40.0 - <= 70.0 %	crystalline silica
7722-76-1	>= 7.0 - <= 13.0 %	Ammonium phosphate

### 3. Hazard identification

#### Emergency overview

IRRITANT. Contains a carcinogen.  
Contains a reproductive toxin.  
Irritating to eyes and skin.

#### Potential health effects

**Acute toxicity:**  
No data available.

**Irritation:**  
The product has not been tested. The statement has been derived from the properties of the individual components. Contact with the eyes or skin may cause mechanical irritation. The Cement contained in this product reacts alkaline when in contact with water or humidity. This may cause severe irritation of skin or mucous membranes. The humidity of the skin or mucous membranes is enough for this reaction.

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

#### 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

**If inhaled:**

After inhalation of dust. Keep patient calm, remove to fresh air. If difficulties occur: Obtain 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:**

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

**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.

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### 5. Fire-fighting measures

Flash point:

The substance/product is non-combustible.

**Suitable extinguishing media:**

foam, water spray, dry extinguishing media, carbon dioxide

**Unsuitable extinguishing media for safety reasons:**

water jet

**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.

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### 6. Accidental release measures

**Personal precautions:**

Avoid dust formation. Avoid contact with skin and eyes. Use personal protective clothing. 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.

**Cleanup:**

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of. Dispose of absorbed material in accordance with regulations.

For large amounts: Pick up with suitable appliance and dispose of. Dispose of absorbed material in accordance with regulations.

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### 7. Handling and storage

#### Handling

##### **General advice:**

Avoid dust formation. Avoid inhalation of dusts. Avoid skin contact. Pour downwind and allow as little free fall as possible while emptying bags into equipment. Breathing must be protected when large quantities are decanted without local exhaust ventilation.

##### **Protection against fire and explosion:**

Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Keep away from sources of ignition - No smoking. Dust can form an explosive mixture with air.

### 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 <sup>3</sup> Respirable ; TWA value 0.3 mg/m <sup>3</sup> Total dust ;
	ACGIH	TWA value 0.025 mg/m <sup>3</sup> Respirable fraction ;
magnesium oxide	OSHA	PEL 15 mg/m <sup>3</sup> Total particulate ;
	ACGIH	TWA value 10 mg/m <sup>3</sup> Inhalable fraction ;
boric acid	ACGIH	TWA value 2 mg/m <sup>3</sup> ; STEL value 6 mg/m <sup>3</sup> ; TWA value 2 mg/m <sup>3</sup> Inhalable fraction ; STEL value 6 mg/m <sup>3</sup> Inhalable fraction ;

#### Personal protective equipment

##### **Respiratory protection:**

Wear respiratory protection if ventilation is inadequate.

##### **Hand protection:**

Chemical resistant protective gloves, Manufacturer's directions for use should be observed because of great diversity of types.

##### **Eye protection:**

Tightly fitting safety goggles (chemical goggles).

##### **Body protection:**

Body protection must be chosen based on level of activity and exposure.

##### **General safety and hygiene measures:**

Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts. 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:	powder	
Odour:	odourless	
Odour threshold:	No data available.	
Colour:	grey	
Melting point:		The product has not been tested.
Density:		No data available.
Viscosity, dynamic:		No data available.
Solubility in water:		slightly soluble

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### 10. Stability and reactivity

**Conditions to avoid:**

Avoid dust formation.

**Substances to avoid:**

strong acids, strong bases, strong oxidizing agents

**Hazardous reactions:**

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

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### 11. Toxicological information

**Chronic toxicity**

**Carcinogenicity:**

*Information on: crystalline silica*

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

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**Reproductive toxicity:**

*Information on: boric acid*

*Causes impairment of fertility in laboratory animals.*

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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:**

Dispose of in accordance with local authority regulations.

Do not discharge into drains/surface waters/groundwater.

**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**  
TDG

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:**

DSL, CA released / listed

**WHMIS classification:** D2A: Materials Causing Other Toxic Effects - Very toxic material



D2B: Materials Causing Other Toxic Effects - Toxic material



**THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.**

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### 16. Other information

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**Local contact information**

BASF Construction Chemicals  
bcc\_prps@basf.com

END OF DATA SHEET