



The Chemical Company

## Safety Data Sheet

### NP1 BLK

Revision date : 2012/06/07

Version: 3.0

Page: 1/8

(30549038/SDS\_GEN\_CA/EN)

## 1. Product and Company Identification

### Company

BASF Canada Inc.  
100 Milverton Drive  
Mississauga, ON L5R 4H1, CANADA

### 24 Hour Emergency Response Information

CANUTEC (reverse charges): (613) 996-6666  
BASF HOTLINE: (800) 454-COPE (2673)

## 2. Hazards Identification

### Emergency overview

SENSITIZER.

IRRITANT.

Irritating to eyes, respiratory system and skin.

May cause sensitization by inhalation and skin contact.

CONTAINS MATERIAL WHICH MAY CAUSE CANCER.

State of matter: solid

Colour: pigmented

Odour: slight odour

### Potential health effects

#### **Acute toxicity:**

Of very high toxicity after short-term inhalation. Virtually nontoxic after a single skin contact. Virtually nontoxic after a single ingestion.

#### **Irritation / corrosion:**

Irritating to eyes, respiratory system and skin.

#### **Sensitization:**

Sensitization after skin contact possible. The substance may cause sensitization of the respiratory tract.

#### **Chronic toxicity:**

**Carcinogenicity:** Indication of possible carcinogenic effect in animal tests.

**Repeated dose toxicity:** Prolonged exposure may cause chronic effects.

Overexposure may cause CNS depression including headache, dizziness, nausea and loss of consciousness.

**Reproductive toxicity:** The results of animal studies gave no indication of a fertility impairing effect.

# Safety Data Sheet

## NP1 BLK

Revision date : 2012/06/07  
Version: 3.0

Page: 2/8  
(30549038/SDS GEN\_CA/EN)

**Teratogenicity:** No indications of a developmental toxic / teratogenic effect were seen in animal studies.

**Genotoxicity:** The substance was mutagenic in various bacterial test systems; however, a mutagenic effect could not be confirmed in mammalian cell culture.

**Signs and symptoms of overexposure:**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

**Potential environmental effects**

**Aquatic toxicity:**

Acutely harmful for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Degradation / environmental fate:**

The product is unstable in water. The elimination data also refer to products of hydrolysis.

### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
1317-65-3	>= 10.0 - <= 30.0 %	Limestone
14807-96-6	>= 3.0 - <= 7.0 %	talc
53306-54-0	>= 1.0 - <= 5.0 %	bis(2-propylheptyl) phthalate
8052-41-3	>= 1.0 - <= 5.0 %	Stoddard solvent
52624-57-4	>= 1.0 - <= 5.0 %	Oxirane, methyl-, polymer with oxirane, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)
1305-78-8	>= 0.5 - <= 1.5 %	calcium oxide
91-08-7	>= 0.1 - <= 1.0 %	toluene-2,6-diisocyanate
1333-86-4	>= 0.1 - <= 1.0 %	carbon black
584-84-9	>= 0.1 - <= 1.0 %	toluene-2,4-diisocyanate

### 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:**

Wash thoroughly with soap and water. 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 and then drink plenty of water. 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.

# Safety Data Sheet

## NP1 BLK

Revision date : 2012/06/07  
Version: 3.0

Page: 3/8  
(30549038/SDS\_GEN\_CA/EN)

### 5. Fire-Fighting Measures

Flash point: 89 °C (ASTM D3278)  
Non-flammable.  
Autoignition: not applicable  
Flammability: not highly flammable  
(UN Test N.1 (ready combustible solids))

**Suitable extinguishing media:**  
foam, water spray, dry powder, carbon dioxide

**Unsuitable extinguishing media for safety reasons:**  
water jet

**Hazards during fire-fighting:**  
carbon dioxide, carbon monoxide, harmful vapours, nitrogen oxides, fumes/smoke, carbon black

**Protective equipment for fire-fighting:**  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**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. 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:**  
For small amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.  
For large amounts: Sweep/shovel up. Dispose of absorbed material in accordance with regulations.

### 7. Handling and Storage

#### Handling

**General advice:**  
Avoid skin contact. No special measures necessary provided product is used correctly.

**Protection against fire and explosion:**  
Keep away from sources of ignition - No smoking. The relevant fire protection measures should be noted.

#### 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

carbon black OSHA PEL 3.5 mg/m<sup>3</sup> ;

# Safety Data Sheet

## NP1 BLK

Revision date : 2012/06/07  
Version: 3.0

Page: 4/8  
(30549038/SDS\_GEN\_CA/EN)

Stoddard solvent	ACGIH OSHA	TWA value 3.5 mg/m3 ; PEL 500 ppm 2,900 mg/m3 ;
calcium oxide	ACGIH OSHA	TWA value 100 ppm ; PEL 5 mg/m3 ;
talc	ACGIH OSHA	TWA value 2 mg/m3 ; TWA value 20 millions of particles per cubic foot of air ; TWA value 2.4 millions of particles per cubic foot of air Respirable ; 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. TWA value 0.1 mg/m3 Respirable ; 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. TWA value 0.3 mg/m3 Total dust ; 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.
	ACGIH	TWA value 2 mg/m3 Respirable fraction ; The value is for particulate matter containing no asbestos and <1% crystalline silica.
toluene-2,6-diisocyanate	ACGIH	TWA value 0.005 ppm ; STEL value 0.02 ppm ;
toluene-2,4-diisocyanate	OSHA	CLV 0.02 ppm 0.14 mg/m3 ;
Limestone	ACGIH OSHA	TWA value 0.005 ppm ; STEL value 0.02 ppm ; PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;

### Personal protective equipment

#### **Hand protection:**

Chemical resistant protective gloves

#### **Eye protection:**

Safety glasses with side-shields.

#### **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. No special measures necessary if stored and handled correctly. 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	
Odour threshold:	No data available.	
Colour:	pigmented	
pH value:		not applicable
Boiling point:		not applicable
Density:	approx. 1.20 g/cm3	( 20 °C)
Solubility in water:		( 15 °C) insoluble
Miscibility with water:		( 20 °C) not (e.g. <10%)

# Safety Data Sheet

## NP1 BLK

Revision date : 2012/06/07  
Version: 3.0

Page: 5/8  
(30549038/SDS\_GEN\_CA/EN)

### 10. Stability and Reactivity

**Conditions to avoid:**

See MSDS section 7 - Handling and storage.

**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:**

No hazardous decomposition products if stored and handled as prescribed/indicated.

**Thermal decomposition:**

No decomposition if stored and handled as prescribed/indicated.

**Oxidizing properties:**

not fire-propagating

### 11. Toxicological information

**Acute toxicity**

*Information on: Stoddard solvent*

*Assessment of acute toxicity:*

*Aspiration may result in chemical pneumonitis, which may be fatal.*

*Information on: toluene-2,6-diisocyanate*

*Assessment of acute toxicity:*

*Of very high toxicity after short-term inhalation. In animal studies the substance is virtually nontoxic after a single ingestion. In animal studies the substance is virtually nontoxic after a single skin contact.*

*EU-classification*

*Information on: toluene-2,4-diisocyanate*

*Assessment of acute toxicity:*

*Of very high toxicity after short-term inhalation. Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.*

**Irritation / corrosion**

*Information on: calcium oxide*

*Assessment of irritating effects:*

*Corrosive! Damages skin and eyes.*

*Information on: toluene-2,6-diisocyanate*

*Assessment of irritating effects:*

*Irritating to eyes and skin.*

*Information on: toluene-2,4-diisocyanate*

*Assessment of irritating effects:*

*Irritating to eyes and skin.*

*Information on: Oxirane, methyl-, polymer with oxirane, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)*

*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 or composition.*

# Safety Data Sheet

## NP1 BLK

Revision date : 2012/06/07  
Version: 3.0

Page: 6/8  
(30549038/SDS GEN\_CA/EN)

### Sensitization

*Information on: toluene-2,6-diisocyanate*

*Assessment of sensitization:*

*The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible.*

*Information on: toluene-2,4-diisocyanate*

*Assessment of sensitization:*

*The substance may cause sensitization of the respiratory tract. Sensitization after skin contact possible.*

### Repeated dose toxicity

*Information on: talc*

*Information on: bis(2-propylheptyl) phthalate*

*Assessment of repeated dose toxicity:*

*Repeated exposure to high doses of the substance causes reversible liver changes in rodents. According to present knowledge, these effects do not occur in man.*

*Information on: Stoddard solvent*

*Assessment of repeated dose toxicity:*

*Overexposure may cause liver and kidney toxicity. Repeated exposures may result in pulmonary congestion.*

*Information on: toluene-2,4-diisocyanate*

*Assessment of repeated dose toxicity:*

*The substance may cause damage to the lung even after repeated inhalation of low doses, as shown in animal studies.*

### Genetic toxicity

*Information on: toluene-2,6-diisocyanate*

*The substance was mutagenic in various test systems with bacteria and cell cultures; however, these results could not be confirmed in tests with mammals. Literature data.*

*Information on: toluene-2,4-diisocyanate*

*The substance was mutagenic in various test systems with bacteria and cell cultures; however, these results could not be confirmed in tests with mammals. Literature data.*

### Carcinogenicity

*Information on: bis(2-propylheptyl) phthalate*

*In long-term studies in rodents exposed to high doses, a tumorigenic effect was found; however, these results are thought to be due to a rodent-specific liver effect that is not relevant to humans. The product has not been tested. The statement has been derived from products of a similar structure or composition.*

*Information on: toluene-2,6-diisocyanate*

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

*Information on: toluene-2,4-diisocyanate*

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

*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. No carcinogenic potential can be deduced from other studies with rats and mice.*

*The American Conference of Governmental Industrial Hygienists (ACGIH) has classified this substance as Group A3 - animal carcinogen.*

### Other Information:

# Safety Data Sheet

## NP1 BLK

Revision date : 2012/06/07  
Version: 3.0

Page: 7/8  
(30549038/SDS\_GEN\_CA/EN)

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 the properties of the individual components.

*Information on: Stoddard solvent*

*In tests with mammals a central nervous system disorder was observed.*

---

## 12. Ecological Information

### Degradability / Persistence Biological / Abiological Degradation

Evaluation: Poorly biodegradable.

*Poorly biodegradable.*

*The product is unstable in water. The elimination data also refer to products of hydrolysis.*

### Other adverse effects:

Acutely harmful for aquatic organisms. Do not discharge product into the environment without control. The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

---

## 13. Disposal considerations

### Waste disposal of substance:

Dispose of in accordance with local authority regulations. Do not discharge into drains/surface waters/groundwater.

---

## 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

---

## 15. Regulatory Information

### Federal Regulations

Registration status:

# Safety Data Sheet

## NP1 BLK

Revision date : 2012/06/07  
Version: 3.0

Page: 8/8  
(30549038/SDS\_GEN\_CA/EN)

Chemical DSL, CA released; restriction on use / not listed

CEPA, Significant New Activity Restriction (SNAc)  
Not for use in products designed to be used by children under the age of 7.  
SNAc 12541

**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.**

### 16. Other Information

We support 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.

**MSDS Prepared by:**  
BASF NA Product Regulations  
msds@basf.com  
BASF HOTLINE (800) 454 – COPE (2673)  
MSDS Prepared on: 2012/06/07

END OF DATA SHEET