



The Chemical Company

## Safety data sheet

### Blankit® IN

Revision date : 2005/04/11  
Version: 1.0

Page: 1/6  
(30048392/MDS\_GEN\_CA/EN)

#### 1. Substance/preparation and company identification

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

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

Chemical family: stabilizing agents

#### 2. Hazardous ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
7775-14-6	40.0 - 70.0 %	sodium dithionite

#### 3. Hazard identification

Emergency overview

IRRITANT. Irritating to eyes.

Potential health effects

**Acute toxicity:**  
Virtually nontoxic after a single ingestion.

**Irritation:**  
Irritating to eyes.

#### 4. First-aid measures

**General advice:**  
Remove contaminated clothing.

**If inhaled:**  
If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

**If on skin:**  
Wash thoroughly with soap and water.

**If in eyes:**  
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

## Safety data sheet

### Blankit® IN

Revision date : 2005/04/11

Version: 1.0

Page: 2/6

(30048392/MDS\_GEN\_CA/EN)

**If swallowed:**

Rinse mouth immediately and then drink plenty of water, seek medical attention.

**Note to physician**

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## 5. Fire-fighting measures

Autoignition:

Not applicable

Flammability:

Risk of spontaneous ignition.

Self-ignition temperature:

&gt; 100 °C

(UN Test N.2 (pyrophoric solids)) Danger of the self inflammation exists on contact with air humidity.

**Suitable extinguishing media:**

water spray, dry extinguishing media, foam

**Unsuitable extinguishing media for safety reasons:**

carbon dioxide

**Additional information:**

Avoid whirling up the material/product because of the danger of dust explosion.

**Hazards during fire-fighting:**

harmful vapours

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

**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:**

Avoid dust formation. Use personal protective clothing.

**Environmental precautions:**

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

## Safety data sheet

### Blankit® IN

Revision date : 2005/04/11

Page: 3/6

Version: 1.0

(30048392/MDS\_GEN\_CA/EN)

**Cleanup:**

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.  
For large amounts: Contain with dust binding material and dispose of.

---

## 7. Handling and storage

**Handling****General advice:**

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

**Protection against fire and explosion:**

Avoid dust formation. Take precautionary measures against static discharges.

**Storage****General advice:**

Keep container tightly closed and dry; store in a cool place.

**Temperature tolerance**

Protect from temperatures above: 80 °C

---

## 8. Exposure controls and personal protection

**Personal protective equipment****Respiratory protection:**

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

**Hand protection:**

Chemical resistant protective gloves

**Eye protection:**

Tightly fitting safety goggles (chemical goggles).

**General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

---

## 9. Physical and chemical properties

Form:	powder
Odour:	pungent odour
Odour threshold:	No data available.
Colour:	white
pH value:	9 - 11

( 100 g/l, 20 °C) (DIN 19268)

## Safety data sheet

### Blankit® IN

Revision date : 2005/04/11

Page: 4/6

Version: 1.0

(30048392/MDS\_GEN\_CA/EN)

melting point (decomposition):	> 100 °C	
Bulk density:	1,100 - 1,200 kg/m <sup>3</sup>	(ISO 697)
Solubility in water:	approx. 250 g/l	( 20 °C)
Miscibility with water:		( 15 °C) partially (e.g. >10% <90%)

## 10. Stability and reactivity

### Conditions to avoid:

Avoid humidity.  
Avoid heat.

### Substances to avoid:

water, acids, oxidizing agent, nitrates, peroxides  
strong acids, oxidizing agent

### Hazardous reactions:

Self inflammation possible by spray waters or water in small quantities. Reacts with acids and strong oxidizing agents. Influence of acids leads to the development of evil smelling and aggressive sulfur compounds. In spite of the dedusting carried out for reasons of industrial health a dust explosion hazard can not be excluded.

### Decomposition products:

Hazardous decomposition products: Sulphur dioxide  
Decomposes on contact with moisture with evolution of heat, but will not result in auto-ignition.

### Thermal decomposition:

> 80 °C  
Slow decomposition possible.  
260 °C, 2 K/min (DSC (DIN 51007))

## 11. Toxicological information

### Acute toxicity

#### Oral:

LD50/rat: > 2,000 mg/kg (BASF-Test)

#### Skin irritation:

rabbit: non-irritant (BASF-Test)  
An aqueous solution was tested.

#### Eye irritation :

rabbit: Irritant. (BASF-Test)

## Safety data sheet

### Blankit® IN

Revision date : 2005/04/11

Version: 1.0

Page: 5/6

(30048392/MDS\_GEN\_CA/EN)

## 12. Ecological information

### Environmental fate and transport

**Biodegradation:**

Test method: OECD 302B; ISO 9888; 88/302/EEC, part C  
Method of analysis: COD reduction  
Degree of elimination: > 70 %  
Evaluation: Easily eliminated from water.  
The organic component of the product is biodegradable.

**Chemical oxygen demand (COD):**

(DIN 38409 Part 41) 250 mg/g

### Environmental toxicity

**Acute and prolonged toxicity to fish:**

golden orfe/LC50 (96 h): 10 - 100 mg/l

**Acute toxicity to aquatic invertebrates:**

EC50 (48 h): &gt; 100 mg/l

**Toxicity to aquatic plants:**

EC50 (72 h): &gt; 100 mg/l

The product consumes oxygen. The effect given can be caused partly by oxygen deficiency.

**Toxicity to microorganisms:**

DEV-L3 EC10 (17 h): &gt; 20 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

**Other ecotoxicological advice:**

Do not release untreated into natural waters.

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

## 13. Disposal considerations

**Waste disposal of substance:**

Must be dumped or incinerated in accordance with local regulations.

**Container disposal:**

The packaging must not be re-used. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.



The Chemical Company

## Safety data sheet

### Blankit® IN

Revision date : 2005/04/11  
Version: 1.0

Page: 6/6  
(30048392/MDS\_GEN\_CA/EN)

#### 14. Transport information

Reference Bill of Lading

#### 15. Regulatory information

##### Federal Regulations

Registration status:  
DSL, CA released / listed

WHMIS classification: 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

Local contact information  
Product Safety  
416-675-3611

Blankit is a registered trademark of BASF Canada or BASF AG  
END OF DATA SHEET