

Safety Data Sheet

Blankit® AR

Revision date : 2009/11/03

Version: 1.3

Page: 1/6

(30048510/SDS_TEX_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

IRRITANT.
SENSITIZER.
May cause sensitization by skin contact.
Irritating to eyes and respiratory system.

State of matter: solid
Colour: yellowish
Odour: pungent odour

Potential health effects**Acute toxicity:**

Of moderate toxicity after single ingestion.

Irritation / corrosion:

Irritating to eyes and respiratory system. Prolonged contact with the product can result in skin irritation.

Sensitization:

Danger of skin sensitization on repeated contact.

3. Composition / Information on Ingredients

CAS Number

7757-82-6
7775-14-6
7757-83-7
64-02-8

Content (W/W)

15.0 - 40.0 %
15.0 - 40.0 %
10.0 - 30.0 %
1.0 - 5.0 %

Hazardous ingredients

Sodium sulfate
sodium dithionite
sodium sulphite
tetrasodium ethylenediaminetetraacetate

Safety Data Sheet

Blankit® AR

Revision date : 2009/11/03
Version: 1.3

Page: 2/6
(30048510/SDS_TEX_CA/EN)

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:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If swallowed:

Rinse mouth and then drink plenty of water.

Note to physician

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

5. Fire-Fighting Measures

Flash point:	> 100 °C	(DIN 51758)
Autoignition:	> 200 °C	(DIN 51794)
Flammability:	Risk of spontaneous ignition.	
Self-ignition temperature:	> 100 °C	(UN Test N.2 (pyrophoric solids)) Danger of the self inflammation exists on contact with air humidity.

Suitable extinguishing media:

Water in copious quantities

Unsuitable extinguishing media for safety reasons:

water spray, water fog

Additional information:

Self inflammation possible by spray waters or water in small quantities.

Hazards during fire-fighting:

Sulphur dioxide, 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.

Safety Data Sheet

Blankit® AR

Revision date : 2009/11/03
Version: 1.3

Page: 3/6
(30048510/SDS_TEX_CA/EN)

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.

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.

Avoid all sources of ignition: heat, sparks, open flame.

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:

Safety glasses with side-shields.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form:	powder	
Odour:	pungent odour	
Odour threshold:	No data available.	
Colour:	yellowish	
pH value:	9 - 10	(50 g/l, 20 °C)
melting point (decomposition):	> 100 °C	
Density:	2.17 g/cm ³	(20 °C)
Bulk density:	1,100 - 1,200 kg/m ³	(ISO 697)
Solubility in water:	approx. 150 g/l	(25 °C)

Safety Data Sheet

Blankit® AR

Revision date : 2009/11/03
Version: 1.3

Page: 4/6
(30048510/SDS_TEX_CA/EN)

10. Stability and Reactivity

Conditions to avoid:

Avoid humidity.

Substances to avoid:

water, acids, oxidizing agents, nitrates, peroxides

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

Thermal decomposition:

> 80 °C

Slow decomposition possible.

11. Toxicological information

Acute toxicity

Oral:

Type of value: LD50

Species: rat

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

Irritation / corrosion

Skin:

Species: rabbit

Result: non-irritant

Method: BASF-Test

An aqueous solution was tested.

Eye:

Species: rabbit

Result: Irritant.

Method: BASF-Test

Sensitization:

Result: sensitizing

Other Information:

The product has not been tested. The statement has been derived from products of a similar structure and composition.

12. Ecological Information

Fish

Acute:

Leuciscus idus/LC50 (96 h): > 100 mg/l

Aquatic invertebrates

Safety Data Sheet

Blankit® AR

Revision date : 2009/11/03
Version: 1.3

Page: 5/6
(30048510/SDS_TEX_CA/EN)

Acute:
EC50 (48 h): > 100 mg/l

Aquatic plants

Toxicity to aquatic plants:
EC50 (72 h): > 100 mg/l

Microorganisms

Toxicity to microorganisms:
DIN 38412 Part 8 EC10 (17 h): approx. 60 mg/l

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

Degradability / Persistence

Biological / Abiological Degradation

Test method: OECD Guideline 302 B
Method of analysis: COD reduction
Degree of elimination: > 70 %
Evaluation: Easily eliminated from water.
The organic component of the product is biodegradable.

Other adverse effects:

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.

14. Transport Information

Land transport

TDG

Hazard class: 4.2
Packing group: II
ID number: UN 1384
Hazard label: 4.2
Proper shipping name: SODIUM DITHIONITE (SODIUM HYDROSULPHITE)

Sea transport

IMDG

Hazard class: 4.2
Packing group: II
ID number: UN 1384

Safety Data Sheet

Blankit® AR

Revision date : 2009/11/03
Version: 1.3

Page: 6/6
(30048510/SDS_TEX_CA/EN)

Hazard label: 4.2
Marine pollutant: NO
Proper shipping name: SODIUM DITHIONITE (SODIUM HYDROSULPHITE)

Air transport

IATA/ICAO

Hazard class: 4.2
Packing group: II
ID number: UN 1384
Hazard label: 4.2
Proper shipping name: SODIUM DITHIONITE (SODIUM HYDROSULPHITE)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical DSL, CA released / listed

WHMIS classification: B4: Flammable Solid

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

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

BASF Canada Product Safety
prod_reg@basf.com

Blankit END OF DATA SHEET