

# Safety Data Sheet

## CHIMASSORB® 944 FDL

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Version: 1.0

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(30208464/SDS\_GEN\_CA/EN)

### 1. Product and Company Identification

Use: stabilizer

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

## CAUTION:

May cause mechanical irritation to eyes, skin and respiratory system.

May cause effects on the liver, lymph nodes, spleen and blood, based on animal studies. These effects could be seen as inflammation of the lymph nodes, jaundice of the liver, and blood cell changes such as anemia.

Refer to MSDS Section 7 for Dust Explosion information.

State of matter: solid

Colour: white to slightly yellow

Odour: odourless

Potential health effects**Chronic toxicity:**

**Carcinogenicity:** None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen. In long-term studies in rats in which the substance was given by feed, a carcinogenic effect was not observed.

**Repeated dose toxicity:** Repeated exposure may cause effects on the liver, lymph nodes, spleen and blood.

**Reproductive toxicity:** No data available concerning reproduction toxicity.

**Teratogenicity:** Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

**Genotoxicity:** The substance was not mutagenic in bacteria. (Somatic cells) Sister chromatid exchange test, negative

**Signs and symptoms of overexposure:**

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The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

### **Potential environmental effects**

#### **Aquatic toxicity:**

Acutely toxic for aquatic organisms.

#### **Degradation / environmental fate:**

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

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### 3. Composition / Information on Ingredients

Not WHMIS controlled.

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### 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.

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### 5. Fire-Fighting Measures

Flash point: > 150 °C (DIN 51758)  
Autoignition: 390 °C (BAM)

#### **Suitable extinguishing media:**

dry powder, 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.

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### 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. Use personal protective clothing.

### 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.

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## 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.

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## 8. Exposure Controls and Personal Protection

### Personal protective equipment

#### Respiratory protection:

Respiratory protection may not be required under normal operating conditions if adequate ventilation is provided.

#### 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.

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## 9. Physical and Chemical Properties

Form:	pastilles
Odour:	odourless
Odour threshold:	No data available.

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Colour:	white to slightly yellow	
pH value:	6.8	( 1 %(m), 20 - 25 °C) (as aqueous solution)
Melting point:	100 - 135 °C	
Bulk density:	450 - 550 g/l	
Partitioning coefficient n-octanol/water (log Pow):	2.44	( 20 - 25 °C)
% volatiles:		not determined
Solubility in water:	< 0.1 mg/l	( 20 °C)

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### 10. Stability and Reactivity

#### Dust explosion class:

Dust explosion class 2 (Kst-value 200 up to 300 bar m s-1) (St 2)

#### Hazardous reactions:

In spite of the dedusting carried out for reasons of industrial health the product resp. the fine dust of the product is capable of dust explosion.

#### Decomposition products:

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

#### Thermal decomposition:

> 350 °C (VDI 2263, sheet 1, 1.4.1)

#### Corrosion to metals:

No corrosive effect on metal.

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### 11. Toxicological information

#### Acute toxicity

##### Oral:

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg (OECD Guideline 401)

##### Dermal:

Type of value: LD50

Species: rat

Value: > 3,000 mg/kg (OECD Guideline 402)

#### Irritation / corrosion:

##### Eye:

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

#### Sensitization:

Species: guinea pig

Result: Non-sensitizing.

Method: OECD Guideline 406

#### Genetic toxicity

Experimental/calculated data:

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Ames-test negative

Experimental/calculated data:  
Sister chromatid exchange assay Chinese hamster negative

### Other Information:

Male rats were orally administered a single dose of either 15 or 200 mg/kg of radiolabelled test material. Blood/plasma levels showed non-linearity at these doses and had a long elimination half-life. Distribution was primarily to spleen, liver and gastrointestinal tract. Polar metabolites were formed. Excretion was almost exclusively via the feces with about 70% and 100% of the radioactivity recovered by 24 and 168 hours, respectively.

Following prolonged exposure, lymph node swelling (inflammation) was observed in rats.

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## 12. Ecological Information

### Fish

Acute:  
OECD 203; ISO 7346; 92/69/EEC, C.1 Oncorhynchus mykiss/LC50 (96 h): > 72 mg/l  
Tested above maximum solubility.

### Aquatic invertebrates

Acute:  
OECD Guideline 202, part 1 Daphnia magna/EC50 (48 h): 22 mg/l  
Tested above maximum solubility.

### Aquatic plants

Toxicity to aquatic plants:  
OECD Guideline 201 Algae/EC50 (72 h): > 100 mg/l

### Microorganisms

Toxicity to microorganisms:  
OECD Guideline 209 activated sludge/EC50 (3 h): > 100 mg/l

### Degradability / Persistence Biological / Abiological Degradation

Evaluation: Not readily biodegradable (by OECD criteria).

### Other adverse effects:

Do not discharge product into the environment without control.

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## 13. Disposal considerations

### Waste disposal of substance:

Do not discharge into drains/surface waters/groundwater. Dispose of in accordance with national, state and local regulations.

### Container disposal:

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

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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

**VOC content:**

not determined

**Federal Regulations**

**Registration status:**

Chemical                      DSL, CA                      released / listed

Not WHMIS controlled.

**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

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.

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**MSDS Prepared by:**

BASF NA Product Regulations  
msds@basf.com  
MSDS Prepared on: 2010/10/29

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Due to the merger of CIBA and BASF Group all Material Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes of the Material Safety Data Sheets. In case you have questions concerning such changes please contact us at the address mentioned in Section I.

END OF DATA SHEET