

# Safety Data Sheet

## Magnafloc® LT22S

Revision date : 2013/07/17

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Version: 1.1

(30470895/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)

Synonyms:

Not Available. Usage: flocculation agent

### 2. Hazards Identification

Emergency overview

May cause skin irritation.  
May cause eye damage.  
Use NIOSH approved respirator as needed to mitigate exposure.

State of matter: solid  
Colour: off-white  
Odour: odourless

Potential health effects**Primary routes of entry:**

Eyes  
Skin  
Inhalation.  
Ingestion.

**Sensitization:**

Based on the ingredients, there is no suspicion of a skin-sensitizing potential.

**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.  
The whole of the information assessable provides no indication of a carcinogenic effect.

**Reproductive toxicity:** Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

**Genotoxicity:** Based on the ingredients, there is no suspicion of a mutagenic effect.

**Signs and symptoms of overexposure:**

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No significant symptoms are expected due to the non-classification of the product.

### Potential environmental effects

#### **Aquatic toxicity:**

Fish toxicity and aquatic toxicity are drastically reduced by rapid irreversible adsorption onto suspended and/or dissolved organic matter. Acute effects on aquatic organisms are due to the cationic charge of the polymer, which is quickly neutralised in natural water courses by irreversible adsorption onto particles, hydrolysis and dissolved organic carbon. The hydrolysis products are not acutely harmful to aquatic organisms.

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### 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Hazardous ingredients</u>
124-04-9	>= 1.0 - <= 5.0 %	adipic acid

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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. Check breathing and pulse. Place victim in the recovery position, cover and keep warm. Loosen tight clothing such as a collar, tie, belt or waistband. Seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

#### **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:		not applicable
Flammability:	not highly flammable	
Self-ignition temperature:		not self-igniting

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

dry powder, foam

#### **Unsuitable extinguishing media for safety reasons:**

water jet, carbon dioxide

#### **Additional information:**

If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

#### **Hazards during fire-fighting:**

carbon oxides, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire. Very slippery when wet.

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**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:**

Use personal protective clothing.

**Environmental precautions:**

Do not discharge into drains/surface waters/groundwater.

**Cleanup:**

Spilled product which becomes wet or spilled aqueous solution create a hazard because of their slippery nature. 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. Handle in accordance with good industrial hygiene and safety practice. Forms slippery surfaces with water.

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

Store in unopened original containers in a cool and dry place. Avoid wet, damp or humid conditions, temperature extremes and ignition sources.

**Storage stability:**

Avoid extreme heat.

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## 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. Ensure adequate ventilation. 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:	powder	
Odour:	odourless	
Odour threshold:	No data available.	
Colour:	off-white	
pH value:	3.5 - 4.5	( 10 g/l)
Melting point:		The substance / product decomposes therefore not determined.
Boiling point:		not applicable
Vapour pressure:		The product has not been tested.
Bulk density:	approx. 750 kg/m3	
Partitioning coefficient n-octanol/water (log Pow):		Study scientifically not justified.
% volatiles:		not applicable
Solubility in water:		Forms a viscous solution.
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

### 10. Stability and Reactivity

**Minimum ignition energy:**  
> 1 J

**Conditions to avoid:**  
Avoid extreme temperatures. Avoid humidity.  
Avoid dust formation. Avoid electro-static discharge.

**Substances to avoid:**  
strong acids, strong bases, strong oxidizing agents

**Hazardous reactions:**  
The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

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

**Corrosion to metals:**  
No corrosive effect on metal.

**Oxidizing properties:**  
not fire-propagating

### 11. Toxicological information

#### Acute toxicity

**Oral:**  
Type of value: LD50  
Species: rat  
Value: > 5,000 mg/kg (OECD Guideline 401)

#### Irritation / corrosion

*Information on: adipic acid*  
*Assessment of irritating effects:*  
*May cause slight irritation to the skin. May cause severe damage to the eyes.*

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**Skin:**

Species: rabbit  
Result: non-irritant  
Method: OECD Guideline 404

*Information on: adipic acid*

*Species: rabbit*  
*Result: non-irritant*  
*Method: BASF-Test*

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**Eye:**

*Information on: adipic acid*  
*Species: rabbit*  
*Result: Risk of serious damage to eyes.*  
*Method: OECD Guideline 405*

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**Other Information:**

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

**Fish**

Acute:  
static  
Fish/LC50 (96 h): 10 - 100 mg/l

**Aquatic invertebrates**

Acute:  
daphnia/EC50 (48 h): 10 - 100 mg/l

**Degradability / Persistence**  
**Biological / Abiological Degradation**

Evaluation: Not readily biodegradable (by OECD criteria).

**Hydrolysis**

In contact with water the substance will hydrolyse rapidly.

**Environmental mobility:**

*Information on: cationic polyacrylamide*  
*Assessment transport between environmental compartments:*  
*Adsorption to solid soil phase is expected.*

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**Other adverse effects:**

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

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### 13. Disposal considerations

**Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations.  
Dispose of in accordance with local authority regulations.

**Container disposal:**

Packs that cannot be cleaned should be disposed of in the same manner as the contents. Uncontaminated packaging can be re-used.

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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 applicable

**Federal Regulations**

**Registration status:**

Chemical DSL, CA released / listed

**WHMIS classification:** D2B: Materials Causing Other Toxic Effects - Toxic material



This product is 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

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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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**SDS Prepared by:**

BASF NA Product Regulations

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SDS Prepared on: 2013/07/17

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