

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 13.10.2015  
Product: **Magnafloc® LT425**

Version: 3.0

(30481576/SDS\_GEN\_AU/EN)

Date of print 14.10.2015

## 1. Substance/preparation and manufacturer/supplier identification

### Magnafloc® LT425

Use: Coagulant

Manufacturer/supplier:

BASF Australia Limited (ABN 62 008 437 867)  
Level 12, 28 Freshwater Place Southbank  
Victoria 3006, AUSTRALIA  
Telephone: +61 3 8855-6600  
Telefax number: +61 3 8855-6511

Emergency information:

BASF Emergency Advice Number: 1800 803 440 (24h) [within Australia]  
BASF Emergency Advice Number: + 61 3 8855 6666 [outside Australia]

## 2. Hazard identification

Classification of the substance and mixture:

Hazardous to the aquatic environment - acute: Cat. 3  
Hazardous to the aquatic environment - chronic: Cat. 3

Label elements and precautionary statement:

Hazard Statement:

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

Avoid release to the environment.

Precautionary Statements (Disposal):

Dispose of contents/container to hazardous or special waste collection point.

Other hazards which do not result in classification:  
If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

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### 3. Composition/information on ingredients

#### Chemical nature

Aqueous solution based on: homopolymer, cationic

#### Hazardous ingredients

2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer

Content (W/W):  $\geq 10\%$  -  $\leq 50\%$  Aquatic Chronic: Cat. 3

CAS Number: 26062-79-3 Aquatic Acute: Cat. 3

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### 4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

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

On ingestion:

Rinse mouth and then drink plenty of water.

Note to physician:

Symptoms: 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.

Hazards: No hazard is expected under intended use and appropriate handling.

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

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### 5. Fire-Fighting Measures

Suitable extinguishing media:

water spray, dry powder, foam

Additional information:

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

Specific hazards:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire. Do not release chemically contaminated water into drains, soil or surface water. Sufficient measures must be taken to retain the water used for extinguishing. Dispose of contaminated water and soil according to local regulations.

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

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:

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

Methods for cleaning up or taking up:

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

Additional information: High risk of slipping due to leakage/spillage of product.

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## 7. Handling and Storage

### Handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

### Storage

Further information on storage conditions: Keep container tightly closed and in a cool place. Avoid extremes of temperature, especially frost and freezing conditions.

Storage stability:

Storage temperature: > 0 °C

Avoid freezing.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

No occupational exposure limits known.

### Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate.

Hand protection:

Chemical resistant protective gloves

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side-shields.

Body protection:

light protective clothing

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. No eating, drinking, smoking or tobacco use at the place of work.

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	straw yellow
Odour:	amine-like, slight odour
Odour threshold:	No applicable information available.
pH value:	approx. 5.5
Boiling point:	> 100 °C
Flash point:	> 120 °C A flash point determination is unnecessary due to the high water content.
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.

Flammability (solid/gas):	not flammable
Lower explosion limit:	For liquids not relevant for classification and labelling., The lower explosion point may be 5 - 15 °C below the flash point.
Upper explosion limit:	For liquids not relevant for classification and labelling.
Ignition temperature:	not determined
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.
Self ignition:	not self-igniting
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating
Vapour pressure:	approx. 32 mbar (25 °C)
Density:	approx. 1.1 g/cm <sup>3</sup> (20 °C)
Solubility in water:	miscible
Miscibility with water:	miscible
Partitioning coefficient n-octanol/water (log Pow):	Study scientifically not justified.
Viscosity, dynamic:	not determined

**Other Information:**

If necessary, information on other physical and chemical parameters is indicated in this section.

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## 10. Stability and Reactivity

**Conditions to avoid:**

Avoid excessive temperatures. Avoid freezing.

**Thermal decomposition:**

No decomposition if stored and handled as prescribed/indicated.

**Substances to avoid:**

strong acids, strong bases, strong oxidizing agents

Corrosion to metals: No corrosive effect on metal.

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products:

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

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## 11. Toxicological Information

### Acute toxicity

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg

### Irritation

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)

Serious eye damage/irritation rabbit: non-irritant (OECD Guideline 405)

### Respiratory/Skin sensitization

Assessment of sensitization:

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

### Germ cell mutagenicity

Assessment of mutagenicity:

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

### Carcinogenicity

Assessment of carcinogenicity:

Based on the ingredients there is no suspicion of a carcinogenic effect in humans.

### Reproductive toxicity

Assessment of reproduction toxicity:

Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

### Developmental toxicity

Assessment of teratogenicity:

Based on the ingredients, there is no suspicion of a teratogenic effect.

### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

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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 statement has been derived from the properties of the individual components.

### **Aspiration hazard**

No aspiration hazard expected.

### **Other relevant toxicity 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**

### **Ecotoxicity**

Assessment of aquatic toxicity:

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

Toxicity to fish:

LC50 (96 h) 10 - 100 mg/l, Fish

Aquatic invertebrates:

EC50 (48 h) 10 - 100 mg/l, Daphnia magna

### **Mobility**

Assessment transport between environmental compartments:

No data available.

Information on: 2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer

Assessment transport between environmental compartments:

Adsorption to solid soil phase is expected.  
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### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

Not readily biodegradable (by OECD criteria).

### **Bioaccumulation potential**

Bioaccumulation potential:

Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

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## **13. Disposal Considerations**

Must be disposed of or incinerated in accordance with local regulations.

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

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## 14. Transport Information

### Domestic transport:

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

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): Not Scheduled

### Registration status:

AICS, AU                      released / listed

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## 16. Other Information

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.