



The Chemical Company

Safety Data Sheet

MAGNAFLOC® LT20

Revision date : 2011/06/29
Version: 1.1Page: 1/7
(30470896/SDS_GEN_US/EN)

1. Product and Company Identification

Use: flocculation agent

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932, USA

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP

2. Hazards Identification

Emergency overview

Use with local exhaust ventilation.
Avoid dust formation.
Wear protective clothing.
Caution - Slippery when wet!

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

Potential health effects

Primary routes of exposure:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Irritation / corrosion:

May cause mechanical irritation.

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.

Reproductive toxicity: No data available.

Genotoxicity: No data was available concerning mutagenic activity.

Signs and symptoms of overexposure:

Safety Data Sheet

MAGNAFLOC® LT20

Revision date : 2011/06/29
Version: 1.1

Page: 2/7
(30470896/SDS_GEN_US/EN)

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

3. Composition / Information on Ingredients

This product is not regarded as hazardous under current OSHA Hazard Communication standard; CFR 29 Part 1910.1200.

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 irritation develops, seek medical attention.

If in eyes:

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

Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Note to physician

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

5. Fire-Fighting Measures

Flash point: not applicable

Suitable extinguishing media:
dry powder, foam

Unsuitable extinguishing media for safety reasons:
water jet

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.

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.

Safety Data Sheet

MAGNAFLOC® LT20

Revision date : 2011/06/29
Version: 1.1

Page: 3/7
(30470896/SDS GEN_US/EN)

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.

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.

Temperature tolerance

The product is not damaged by low temperatures or by frost.

8. Exposure Controls and Personal Protection

Advice on system design:

Work in well ventilated areas. Do not breathe dust. Ensure good ventilation and local exhaust.

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:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	powder
Odour:	odourless
Colour:	off-white

Safety Data Sheet

MAGNAFLOC® LT20

Revision date : 2011/06/29
Version: 1.1

Page: 4/7
(30470896/SDS_GEN_US/EN)

Melting point:		The substance / product decomposes therefore not determined.
Bulk density:	approx. 750 kg/m ³	
% volatiles:		not determined
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

Conditions to avoid:
Avoid extreme temperatures. Avoid humidity.

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.
Stable under normal conditions.
No hazardous reactions known.

Decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.
(VDI 2263, sheet 1, 1.4.1)

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: > 2,000 mg/kg (OECD Guideline 401)

Irritation / corrosion

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

Eye:
Species: rabbit
Result: non-irritant

Sensitization:

Result: Non-sensitizing.

Repeated dose toxicity

Safety Data Sheet

MAGNAFLOC® LT20

Revision date : 2011/06/29
Version: 1.1

Page: 5/7
(30470896/SDS_GEN_US/EN)

Experimental/calculated data:
Rats and dogs were fed diets containing up to 10% for 2 years without signs of adverse effects.

No data available concerning repeated dose toxicity.

Other Information:

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

12. Ecological Information

Fish

Acute:
static
Oncorhynchus mykiss/LC50 (96 h): > 100 mg/l
(under static conditions in the presence of 10 mg/L humic acid)
Oncorhynchus mykiss/LC50 (96 h): = 3,500 ppm

Aquatic Invertebrates

Acute:
shrimp/LC50 (48 h): > 100 mg/l

Degradability / Persistence Biological / Abiological Degradation

Information on: Polyacrylamide

Evaluation: Not readily biodegradable (by OECD criteria).

Environmental mobility:

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

Other adverse effects:

The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition.

13. Disposal considerations

Waste disposal of substance:
Dispose of in accordance with national, state and local regulations.

Container disposal:
Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA:
Not a hazardous waste under RCRA (40 CFR 261).

14. Transport Information

Safety Data Sheet

MAGNAFLOC® LT20

Revision date : 2011/06/29
Version: 1.1

Page: 6/7
(30470896/SDS_GEN_US/EN)

Land transport USDOT

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

15. Regulatory Information

VOC content:

not determined

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

OSHA hazard category: Chronic target organ effects reported;

EPCRA 311/312 (Hazard categories): Chronic;

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
5000 LBS	79-06-1	acrylamide

State regulations

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

16. Other Information

NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special: -

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

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

Safety Data Sheet

MAGNAFLOC® LT20

Revision date : 2011/06/29

Page: 7/7

Version: 1.1

(30470896/SDS_GEN_US/EN)

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.

MSDS Prepared by:

BASF NA Product Regulations

msds@basf.com

MSDS Prepared on: 2011/06/29

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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