

Material Safety Data Sheet

OSHA / ANSI Z400.1-2004 Compliant



Date / Revised: 04-14-2008

Release: 1.1

Product: MAGNAFLOC LT25

NFPA Hazard codes:

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

HMIS III rating

Health: 0 Flammability: 1 Physical hazard: 0 Personal protection: X

HMIS Note: * Indicates possible chronic health effects.

1. Identification of the Substance/Preparation and of the Company/Undertaking

Company Information

Company: Ciba Corporation
 2301 Wilroy Road
 P.O. Box 820
 Suffolk, VA 23434-0820
 U.S.A.
 Customer Service / Product Information: 1-800-322-3885
 MSDS Request Line: 1-800-431-2360

Emergency information

Emergency 24-Hour (24h) +1-800-873-1138
Health/Environmental Phone:
CHEMTREC: (800) 424-9300 (24hrs) or (703) 527-3887

Product information

Product: MAGNAFLOC LT25
Use: flocculation agent
Chemical family: Anionic polyacrylamide

2. Hazards Identification

Emergency overview

Signal word: NOTICE! !
Colour: off-white
Appearance: powder
State of matter: solid
Odour: odourless
Health: May cause mild eye irritation.
Physical/Chemical Slip hazard when wet., Refer to MSDS Section 7 for Dust Explosion information.
hazards:

Potential health effects

Primary routes of entry:

Skin, Eyes, Inhalation, Ingestion

3. Composition/Information on Ingredients

This material is classified as not hazardous under OSHA regulations.

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4. First-aid Measures

Inhalation:

Remove to fresh air, if not breathing give artificial respiration. If breathing is difficult, give oxygen and get immediate medical attention.

Skin:

After contact with skin, wash immediately with plenty of water and soap.

Get medical attention if irritation occurs.

If clothing is contaminated, remove and launder before reuse.

Eyes:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion:

Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration.

Seek medical attention immediately.

5. Fire-fighting Measures

Suitable extinguishing media:

carbon dioxide, dry powder, foam

Unsuitable Extinguishing Media:

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

Hazardous combustion products:

Burning may produce toxic combustion products., Carbon and nitrogen oxides.

Hazards during fire-fighting:

The product becomes slippery when wet. Restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

Protective equipment for fire-fighting:

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

6. Accidental Release Measures

Cleanup:

Product becomes slippery and difficult to handle when wet.

Sweep up and shovel into suitable containers for disposal.

Avoid raising dust.

Wear suitable protective equipment.

Should not be released into the environment.

Further information:

Spills are very slippery. Restrict pedestrian and vehicular traffic in area of spill until spill is thoroughly cleaned up.

7. Handling and Storage

Handling

General advice:

As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin, and clothing contact.

Do not inhale. Do not taste or swallow. Use only with adequate ventilation.

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Protection against fire and explosion:

Combustible powder. - Avoid creating dusty conditions. - Grounding is required when emptying into a conductive container. - When flammable solvents are present, the container must be inerted or the system otherwise designed to prevent or contain an explosion. Seek expert advice. In addition, for products packaged in fused-lined (coated) fiber drums, fiber drums with conductive liners, steel drums, steel pails, and Type " C " FIBC (bulk bags), or other conductive the following instructions also apply: - Always ground this package before emptying. The user is responsible for designing the system to handle solid and ensuring proper training of employees in the system's use.

Storage

General advice:

Keep container tightly closed in a dry, cool and well-ventilated place.

> for industrial use only <

8. Exposure Controls and Personal Protection

Engineering Controls:

Work in well ventilated areas. Do not breathe dust.

Personal protective equipment

Respiratory protection:

Use NIOSH approved respirator as needed to mitigate exposure.

Eye protection:

Wear safety goggles (chemical goggles) if there is potential for airborne dust exposures.

Body protection:

Wear chemical resistant gloves and protective clothing.

General safety and hygiene measures:

There are no OSHA or ACGIH exposure guidelines available for component(s) in this product., Eye wash station and safety shower should be available in immediate work area.

9. Physical and Chemical Properties

| | | |
|---|-------------------------------|--------------------------|
| Colour: | off-white | |
| Form: | powder | |
| State of matter: | solid | |
| Odour: | odourless | |
| pH value: | | Not tested |
| Evaporation rate: | | Not tested |
| Flash point: | | Not applicable |
| Melting point: | | Not applicable |
| Boiling point: | | Not applicable |
| Vapour pressure: | | Not tested |
| Bulk density: | approx. 750 kg/m ³ | |
| Vapour density: | | Not tested |
| Partitioning coefficient n-octanol/water (log Pow): | | Not applicable |
| Viscosity, dynamic: | | Not tested |
| % Volatiles: | | not determined |
| Solubility in water: | | Forms a viscous solution |
| Solubility in other solvents: | | Not tested |

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10. Stability and Reactivity

Stability:

Stable

Conditions to avoid: Avoid humidity. Avoid temperature extremes. Avoid electro-static discharge. Avoid sources of ignition.

Substances to avoid: strong oxidizing agents, Incompatible with liquid chlorine, Oxygen, sodium/calcium hypochlorite.

Possibility of Hazardous Reactions: No hazardous reactions known.

Hazardous decomposition products: No decomposition expected under normal storage conditions.

11. Toxicological Information

Acute oral toxicity:

LD50 / oral / rat: > 2,000 mg/kg
By analogy with a product of similar composition

Acute inhalation toxicity:

Not determined

Acute dermal toxicity:

dermal:
Not determined

Skin irritation:

not determined

Eye irritation:

not determined

Skin Sensitization:

not determined

Subacute Toxicity:

not determined

Subchronic Toxicity:

not determined

Chronic toxicity:

not determined

Genetic toxicity:

Not expected to be mutagenic

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 for product. No effects anticipated

Developmental toxicity/teratogenicity:

No data for product. No effects anticipated.

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Neurotoxicity:

Not determined

12. Ecological Information

Toxicity to fish:

Brachydanio rerio/96 h/LC50: 357 mg/l (OECD 203; ISO 7346; 92/69/EEC, C.1)

From tests on a product range

Toxicity to aquatic invertebrates:

Daphnia magna/48 h/EC50: 212 mg/l (OECD 202/EC C.2)

From tests on a product range

Daphnia magna/48 h/LC50: > 1,000 mg/l

(under static conditions in the presence of 10 mg/L humic acid)

Daphnia magna/48 h/EC50: > 50 mg/l

(under static conditions in the presence of 20 mg/L humic acid)

Toxicity to aquatic plants:

Chlorella vulgaris/72 h/EC50: > 1,000 mg/l (OECD 201/EC C. 3)

From tests on a product range

Toxicity to microorganisms:

Pseudomonas putida/24 h/EC50: 892 mg/l

From tests on a product range

Biodegradation:

Not tested

Other ecotoxicological advice:

Product not considered toxic to aquatic organisms.

13. Disposal Considerations

Waste disposal of substance:

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

Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261).

14. Transport Information

U.S. Department of Transportation

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

Road transport:

Special shipping information: Not classified as a dangerous good under transport regulations.

Air transport:

Special shipping information: Not classified as a dangerous good under transport regulations.

International Air Transport Association (IATA)

Special shipping information: Not classified as a dangerous good under transport regulations.

International Maritime Dangerous Goods Code (IMDG)

Special shipping information: Not classified as a dangerous good under transport regulations.

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15. Regulatory Information

Canada: Domestic Substances List (DSL):

All components either exempt or listed on the DSL

US: Toxic Substances Control Act (TSCA):

All component(s) comprising this product are either exempt or listed on the TSCA inventory

United States - Regulations

SARA Section 311/312 Hazard Communication Standard:

| | | | |
|-----------------|---|-----------------------------|---|
| Acute Health: | N | Fire: | N |
| Chronic Health: | N | Reactivity: | N |
| | | Sudden release of pressure: | N |

SARA Section 313 Toxic Chemical List:

This product does not contain any components reportable under Sec 313 (40 CFR 372).

OSHA hazard category:

This material is classified as not hazardous under OSHA regulations.

Toxic Substances Control Act (TSCA) Significant New Use Rule (SNUR):

This product is not subject to a Significant New Use Rule (SNUR).

Toxic Substances Control Act (TSCA) Section 5(e) Consent Orders:

This product is not subject to a Section 5(e) Consent Order.

Toxic Substances Control Act (TSCA) Section 5(f):

This product is not subject to a Section 5(f)/6(a) rule.

Toxic Substances Control Act (TSCA) Section 12(b) Export Notification:

No components listed.

Clean Air Act - Hazardous Air Pollutants (HAP):

| <u>Chemical name</u> | <u>CAS Number</u> | <u>Notification</u> |
|----------------------|-------------------|---------------------|
| 2-Propenoic acid | 79-10-7 | Listed |
| 2-Propenamide | 79-06-1 | Listed |

Clean Air Act 602 - Ozone Depleting Substances (ODS):

This product neither contains, nor was manufactured with, a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A+B).

Clean Water Act - Priority Pollutants (PP):

This product does not contain any priority pollutants listed under the U.S. Clean Water Act Section 307(2)(1) Priority Pollutant List (40 CFR 401.15).

Pennsylvania Right to Know:

| <u>Chemical name</u> | <u>CAS Number</u> | <u>Notification</u> |
|----------------------|-------------------|-----------------------|
| 2-Propenoic acid | 79-10-7 | Environmental hazard. |
| 2-Propenoic acid | 79-10-7 | Listed |
| 2-Propenamide | 79-06-1 | Environmental hazard. |
| 2-Propenamide | 79-06-1 | Listed |

This product contains the following component(s) which are subject to Pennsylvania Right-to-Know disclosure requirement.

California Proposition 65 - Chemicals Known to the State to Cause Cancer:

| <u>Chemical name</u> | <u>CAS Number</u> | <u>Notification</u> |
|----------------------|-------------------|---------------------|
| 2-Propenamide | 79-06-1 | Carcinogenic. |

WARNING: This product contains a chemical known to the State of California to cause cancer.

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International Regulations

Chemical Weapons Convention:

This product does not contain any component(s) listed under the Chemical Weapons Convention Schedule of Chemicals.

16. Other Information

Disclaimer:

The information contained herein is based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to such data or information. The user is responsible for determining whether the product is suitable for its intended conditions of use.

END OF DATA SHEET