

# Material Safety Data Sheet

OSHA / ANSI Z400.1-2004 Compliant



Date / Revised: 12-28-2006

Release: 1.0

Product: **MAGNAFLOC LT7981****NFPA Hazard codes:**

Health: 1

Fire: 0

Reactivity: 0

Special:

**HMIS III rating**

Health: 1

Flammability: 0

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

**Product information**

Product: MAGNAFLOC LT7981  
 Use: Coagulant.

## 2. Hazards Identification

**Emergency overview**

Signal word: CAUTION: !  
 Colour: amber  
 Appearance: liquid  
 State of matter: liquid  
 Odour: Slightly amine  
 Health: MAY CAUSE EYE IRRITATION., MAY CAUSE SKIN IRRITATION.  
 Physical/Chemical hazards: Spills are very slippery.

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

Eyes, Skin, Inhalation, Ingestion

**Chronic exposure:**

Prolonged or repeated contact may cause eye and skin irritation.

## 3. Composition/Information on Ingredients

<u>Chemical name</u>	<u>CAS Number</u>	<u>Content (Weight)</u>	<u>Hazardous</u>
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Methanamine, N-methyl-, polymer with  
(chloromethyl)oxirane (9CI)

25988-97-0

50.0 %

Y

This material is classified as hazardous under OSHA regulations.

## 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:

If clothing is contaminated, remove and launder before reuse.  
After contact with skin, wash immediately with plenty of water and soap.  
Get medical attention if irritation occurs.

### Eyes:

Immediately flush the eye(s) with lukewarm, gently flowing water for 15 minutes or until the chemical is removed.  
Get immediate medical attention if irritation persists.

### 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:

Carbon and nitrogen oxides., Hydrogen chloride.

### Hazards during fire-fighting:

Standard procedure for chemical fires.  
Cool fire-exposed containers with water.  
Spills can cause very slippery conditions on floors.  
Restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

### Protective equipment for fire-fighting:

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

## 6. Accidental Release Measures

### Cleanup:

Pick up with inert absorbent material (e.g. sand, earth etc.).  
Place into approved waste containers.  
Wear suitable protective equipment.  
Should not be released into the environment.  
Spills are very slippery.

## 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. Keep from freezing.

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## General advice:

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

Keep from freezing.

Temperature tolerance FROST SENSITIVE PRODUCT

Protect from Freezing. Freezing may permanently damage product.

> for industrial use only <

## 8. Exposure Controls and Personal Protection

### Engineering Controls:

Work in well ventilated areas. Do not breathe vapors or mist.

### Personal protective equipment

#### Respiratory protection:

Wear a NIOSH-certified respirator as necessary.

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (EN 166)

#### 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., Select additional protective equipment based upon potential for exposure.

## 9. Physical and Chemical Properties

Colour:	amber	
Form:	liquid	
State of matter:	liquid	
Odour:	Slightly amine	
pH value:	7	
Evaporation rate:		Not tested
Flash point:	> 100 °C	
Self-ignition temperature:		Not tested
Melting point:	< -3 °C	
Boiling point:	> 100 °C	
Vapour pressure:		Not tested
Density:	1.2 g/cm <sup>3</sup>	
Vapour density:		Not tested
Partitioning coefficient n-octanol/water (log Pow):		Not applicable
Viscosity, dynamic:		Not tested
% Volatiles:		not determined
Solubility in water:		miscible
Solubility in other solvents:		Not tested

## 10. Stability and Reactivity

### Stability:

Stable.

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**Conditions to avoid:** Avoid temperature extremes, especially frost and freezing conditions.

**Substances to avoid:** Strong oxidizing agents., May react slowly with iron, copper, and aluminium resulting in corrosion and discoloration of product.

**Possibility of Hazardous Reactions:** No hazardous reactions known.

**Hazardous decomposition products:** nitrogen oxides Carbon oxides.

## 11. Toxicological Information

**Acute oral toxicity:**

LD50 / oral / rat: > 2,000 mg/kg

**Acute inhalation toxicity:**

by inhalation:  
Not tested

**Acute dermal toxicity:**

dermal:  
Not tested

**Skin irritation:**

May cause skin irritation (Active Ingredient)

**Eye irritation:**

May cause eye irritation. (Active Ingredient)

**Skin Sensitization:**

Not tested

**Chronic toxicity:**

Not evaluated

**Genetic toxicity:**

Not determined.

**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:**

not determined

**Developmental toxicity/teratogenicity:**

not determined

## 12. Ecological Information

**Toxicity to fish:**

96 h/LC50: > 10 mg/l

**Toxicity to aquatic invertebrates:**

Daphnia magna/48 h/LC50: 22 mg/l  
(under static conditions in the presence of humic acid)

**Toxicity to aquatic plants:**

Not tested

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## Toxicity to microorganisms:

Not tested

## Biodegradation:

Not tested

## Other ecotoxicological advice:

This product contains polymer(s) that may be toxic to aquatic organisms when tested in pure (distilled) water. Toxicity is greatly reduced by particles in natural water.

## 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 261.21).

## 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.

### Inland-waterway transport:

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

## 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:	Y	Fire:	N
Chronic Health:	N	Reactivity:	N
		Sudden release of pressure:	N

#### SARA Section 313 Toxic Chemical List:

No components listed.

#### OSHA hazard category:

This material is classified as 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).

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## 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>
1-Chloro-2,3-epoxypropane	106-89-8	Listed

## Clean Air Act 111 - Volatile Organic Compounds (VOC):

<u>Chemical name</u>	<u>CAS Number</u>	<u>Notification</u>
1,3-Dichloro-2-propanol	96-23-1	Listed
1-Chloro-2,3-epoxypropane	106-89-8	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>
1,3-Dichloro-2-propanol	96-23-1	Listed

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

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

## California Proposition 65 - Chemicals Known to the State to Cause Reproductive Toxicity:

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

## International Regulations

### Chemical Weapons Convention:

No components listed.

## 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