

MAGIC BAG

Material Safety Data Sheet

OSHA / ANSI Z400.1-2004 Compliant

Ciba

Date / Revised: 02-12-2007

Release: 1.0

Product: **MAGNAFLOC E34****NFPA Hazard codes:**

Health: 2

Fire: 1

Reactivity: 0

Special: -

HMIS III rating

Health: 2

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 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 InformationEmergency 24-Hour
Health/Environmental Phone:

(24h) +1-800-873-1138

CHEMTREC:

(800) 424-9300 (24hrs) or (703) 527-3887

Product information

Product:

MAGNAFLOC E34

Use:

flocculation agent

2. Hazards Identification**Emergency overview**

Signal word: CAUTION: !

Colour: white

Appearance: liquid

State of matter: liquid

Odour: ammonia-like

Health: May cause eye, skin or respiratory irritation., Prolonged or repeated contact may cause dermatitis and serious irreversible skin disorders., Inhalation may cause respiratory irritation., Ingestion may cause gastrointestinal irritation with nausea, vomiting and diarrhea., Aspiration into the respiratory system may cause lung injury.

Physical/Chemical hazards: Spills are very slippery.

Potential health effects

Primary routes of entry:

Eyes, Skin, Inhalation, Ingestion

3. Composition/Information on Ingredients

Chemical name	CAS Number	Content (Weight)	Hazardous
Distillates (petroleum), hydrotreated light	64742-47-8	22.0 - 25.0 %	Y
Alcohols, C10-16, ethoxylated	68002-97-1	1.0 - 5.0 %	Y

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Alcohols, C12-16, ethoxylated

68551-12-2

1.0 - 5.0 %

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:

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

Hazardous combustion products:

Carbon, nitrogen and sulfur oxides., and, Ammonia.

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.
Clean up promptly.

Further information:

The petroleum distillates in this product is/are classified as an oil under Section 311 of the Clean Water Act. Spills entering (A) surface waters or (B) any water courses or sewers entering/leading to surface waters that cause a sheen must be reported to the National Response Center (NRC: 800-424-8801).

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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 away from heat, sparks and flame. Product may freeze; however, it should recover upon warming. Should freezing occur, warm slowly. Thawed product should be thoroughly mixed with low shear agitation prior to use.

Storage

General advice:

Avoid extremes of temperature.
Store between 10 - 32 °C (50 - 90 °F).
Do not use or store in iron, copper or aluminium containers or equipment.

Storage incompatibility:

General: Keep away from iron, copper or aluminium containers or equipment

> for industrial use only <

8. Exposure Controls and Personal Protection

Exposure Guidelines

Distillates (petroleum), hydrotreated light (64742-47-8)	ACGIH	200 mg/m ³
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Engineering Controls:

Work in well ventilated areas. Do not breathe vapors or mist.
Ensure good ventilation and local exhaust.

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:

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:	white	
Form:	liquid	
State of matter:	liquid	
Odour:	ammonia-like	
pH value:	7	
Evaporation rate:		Not tested
Flammability:	Not tested	
Lower explosion limit:		Not applicable
Upper explosion limit:		Not applicable
Flash point:	> 93 °C	
Self-ignition temperature:		Not applicable

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Melting point:		Not applicable
Boiling point:	> 100 °C	
Vapour pressure:		Not tested
Density:	1.0 g/cm ³	
Vapour density:		Not tested
Partitioning coefficient n-octanol/water (log Pow):		Not applicable
Viscosity, dynamic:		Not tested
% Volatiles:		not determined
Solubility in water:		dispersible
Solubility in other solvents:		Not tested

10. Stability and Reactivity

Stability:

Stable.

Conditions to avoid: Avoid humidity. Avoid high temperatures.

Substances to avoid: To avoid product degradation and equipment corrosion, do not use iron, copper or aluminium containers or equipment.

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: > 5,000 mg/kg
(estimated)

Acute inhalation toxicity:

LC50 / by inhalation / rat: > 20 mg/l
(estimated), (4 hour)

Acute dermal toxicity:

LD50 / dermal / rabbit: > 2,000 mg/kg
Estimation

Skin irritation:

Moderate irritant.

Eye irritation:

May cause eye irritation.

Skin Sensitization:

Not tested

Genetic toxicity:

No test data available

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.

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Developmental toxicity/teratogenicity:

No data for product.

12. Ecological Information**Toxicity to fish:**

Not tested

Toxicity to aquatic invertebrates:

Not tested

Toxicity to aquatic plants:

Not tested

Toxicity to microorganisms:

Not tested

Biodegradation:

Not tested

Other ecotoxicological advice:

No ecological data available

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.**DOT (Bulk) Oil Statement:** This product is considered to be an oil per the definitions in 49 CFR 130.2. If packed in a container with a capacity of 3,500 gallons or more, the Communication Requirements at 49 CFR 130.11 and the Response Plan Requirements at 49 CFR 130.31 and 130.33 apply to Domestic transportation by motor vehicles and rolling stock. Notification of releases to the National Response Center (NRC), 800-424-8802, may be necessary. In the Washington, DC metropolitan area, call 202-426-2675.**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

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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:

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

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).

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>
Benzene, dimethyl-	1330-20-7	Listed
2-Propenamide	79-06-1	Listed
Oxirane	75-21-8	Listed

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

<u>Chemical name</u>	<u>CAS Number</u>	<u>Notification</u>
Benzene, dimethyl-	1330-20-7	Listed
2-Propanol	67-63-0	Listed
2-Propenamide	79-06-1	Listed
Oxirane	75-21-8	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>
Benzene, dimethyl-	1330-20-7	Environmental hazard.
2-Propanol	67-63-0	Environmental hazard.
2-Propanol	67-63-0	Listed
2-Propenamide	79-06-1	Environmental hazard.
2-Propenamide	79-06-1	Listed

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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:

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

