

Material Safety Data Sheet

OSHA / ANSI Z400.1-2004 Compliant



Date / Revised: 04-15-2008

Release: 1.1

Product: ZETAG 7565

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 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: ZETAG 7565
Use: flocculation agent

2. Hazards Identification

Emergency overview

Signal word: CAUTION: !
Colour: off-white
Appearance: beads
State of matter: solid
Odour: mild
Health: This product is an eye, skin and respiratory irritant.
Physical/Chemical Organic powders may be capable of generating static discharges and creating explosive
hazards: mixtures in air. Handle with caution., Refer to MSDS Section 7 for Dust Explosion information.

Potential health effects

Primary routes of entry:

Skin, Eyes, Inhalation, Ingestion

Potential environmental effects

Releases to the environment are to be avoided.

3. Composition/Information on Ingredients

<u>Chemical name</u>	<u>CAS Number</u>	<u>Content (Weight)</u>	<u>Hazardous</u>
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Ethanaminium, N,N,N-trimethyl-2-[(1-oxo-2-propenyl)oxy]-, chloride, polymer with 2-propenamide (9Cl)	69418-26-4	88.0 - 92.0 %	Y
Hexanedioic-acid-Urea	124-04-9	1.0 - 5.0 %	Y
	57-13-6	0.0 - 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:

Rinse immediately with plenty of water for at least 10 minutes taking care to wash under the eyelids.
Seek medical attention.

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 and nitrogen oxides.

Hazards during fire-fighting:

Standard procedure for chemical fires.
The product becomes slippery when wet. Restrict pedestrian and vehicular traffic in areas where slip hazard may exist.
The product can form an explosive dust/air mixture. For further information, see Section 7 Explosion Hazards.

Protective equipment for fire-fighting:

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

6. Accidental Release Measures

Cleanup:

Sweep up and shovel into suitable containers for disposal.
Avoid raising dust.
Wear suitable protective equipment.
Should not be released into the environment.
Spills are very slippery.
Clean up promptly.

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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.

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

Exposure Guidelines

Hexanedioic-acid- (124-04-9)	ACGIH	TWA value: 5 mg/m3
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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:

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:	off-white	
Form:	beads	
State of matter:	solid	
Odour:	mild	
pH value:	3.8	
Lower explosion limit:		not determined
Upper explosion limit:		not determined
Flash point:		not determined
Melting point:		not determined
Boiling point:		Not applicable
Vapour pressure:		not determined
Density:		not determined

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Relative density:	0.75	
Bulk density:		not determined
Partitioning coefficient n-octanol/water (log Pow):		not determined
Solubility in water:		soluble
Decomposition temperature:		Not tested

10. Stability and Reactivity

Stability:

Stable

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

Substances to avoid: Strong oxidizing agents., (may degrade polymer)

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
Low oral toxicity., (based on similar product)

Acute inhalation toxicity:

not determined

Acute dermal toxicity:

dermal:
not determined

Skin irritation:

not determined

Eye irritation:

(Rabbits) Irritant.

Skin Sensitization:

not determined

Subacute Toxicity:

not determined

Subchronic Toxicity:

not determined

Chronic toxicity:

not determined

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.

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Reproductive toxicity:

not determined

Developmental toxicity/teratogenicity:

not determined

Neurotoxicity:

Not determined

12. Ecological Information

Toxicity to fish:

not determined

Toxicity to aquatic invertebrates:

Daphnia magna/48 h/EC50: 50 mg/l
(under static conditions in the presence of humic acid)

Toxicity to aquatic plants:

72 h/EC50: 1 - 10 mg/l

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).

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.

15. Regulatory Information

US: Toxic Substances Control Act (TSCA):

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

Canada: Domestic Substances List (DSL):

All components either exempt or

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listed on the DSL

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>
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>
Hexanedioic-acid-	124-04-9	Environmental hazard.
Hexanedioic-acid-	124-04-9	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.

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

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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