

# Safety Data Sheet

## ZETAG® 7557

Revision date : 2010/04/15  
Version: 1.0

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(30470893/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

**CAUTION:**

The product can cause skin and eye irritation.  
May cause some irritation to the respiratory system if dust is inhaled.  
Refer to MSDS Section 7 for Dust Explosion information.  
Caution - Slippery when wet!  
Combustible organic powder.  
Avoid creating dusty conditions, dust build-up or formation of dust clouds.  
Avoid all sources of ignition: heat, sparks, open flame.

State of matter: solid  
Colour: cream  
Odour: mild

#### 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.

**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.

#### Potential environmental effects

**Aquatic toxicity:**

Degradation/elimination: by rapid hydrolysis of the polymer and irreversible binding to dissolved organic carbon and inorganic sediment matter. Not subject to environmental classification according to EU Directives due to rapid degradation by hydrolysis.

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### 6. Accidental release measures

**Personal precautions:**

Avoid dust formation. 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. Keep away from sources of ignition - No smoking.

**Protection against fire and explosion:**

Combustible organic powder. Avoid creating dusty conditions, dust build-up or formation of dust clouds. Avoid all sources of ignition: heat, sparks, open flame.

**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.

**Storage stability:**

Avoid extreme heat.

### 8. Exposure Controls and Personal Protection

**Components with workplace control parameters**

adipic acid

	ACGIH	TWA value 5 mg/m3 ;
Particles, not otherwise specified, respirable	OSHA	PEL 5 mg/m3 Respirable fraction ; All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is the same as the inert or nuisance dust limit of Table Z-3.

	ACGIH	TWA value 3 mg/m3 Respirable particles ;
Particles, not otherwise specified, inhalable	OSHA	PEL 15 mg/m3 Total dust ; All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is the same as the inert or nuisance dust limit of Table Z-3.

	ACGIH	TWA value 10 mg/m3 Inhalable particles ;
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### 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.

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## 9. Physical and Chemical Properties

Form:	beads	
Odour:	mild	
Colour:	cream	
pH value:		The product has not been tested.
Melting point:		not applicable
Vapour pressure:		The product has not been tested.
Density:		not applicable
Partitioning coefficient n-octanol/water (log Pow):		not applicable
Solubility in water:		Forms a viscous solution.

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## 10. Stability and Reactivity

#### **Conditions to avoid:**

Avoid electro-static discharge. Avoid sources of ignition.

#### **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.

#### **Decomposition products:**

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

#### **Oxidizing properties:**

not applicable

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## 11. Toxicological information

### **Acute toxicity**

#### **Oral:**

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

The product has not been tested. The statement has been derived from products of a similar structure and composition.

### **Irritation / corrosion**

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**Air transport**  
IATA/ICAO

Not classified as a dangerous good under transport regulations

### 15. Regulatory Information

#### Federal Regulations

**Registration status:**

Chemical TSCA, US released / listed

**OSHA hazard category:** This material is classified as hazardous under OSHA regulations.;

**EPCRA 311/312 (Hazard categories):** Not hazardous;

**EPCRA 313:**

**CAS Number**

79-06-1

**Chemical name**

acrylamide

**CERCLA RQ**

5000 LBS

1000 LBS

**CAS Number**

79-06-1; 124-04-9

1310-73-2

**Chemical name**

acrylamide; adipic acid

Sodium Hydroxide

#### State regulations

**State RTK**

MA, NJ, PA

**CAS Number**

124-04-9

**Chemical name**

adipic acid

**CA Prop. 65:**

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

### 16. Other Information

**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 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: 2010/04/15

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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