

# Safety Data Sheet

## Tinopal® SFP

Revision date : 2011/01/24

Version: 1.0

Page: 1/7

(30474777/SDS\_GEN\_US/EN)

### 1. Product and Company Identification

Use: fluorescent brightener

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:**

May cause eye, skin or respiratory irritation.

May be harmful if swallowed in large quantities.

The statements are based on the properties of the individual components.

Refer to MSDS Section 7 for Dust Explosion information.

State of matter: solid

Colour: yellow

Odour: odourless

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.

**Reproductive toxicity:** No data available concerning reproduction toxicity.

**Teratogenicity:** No data available concerning teratogenic effects.

**Genotoxicity:** No data was available concerning mutagenic activity.

**Signs and symptoms of overexposure:**

No significant reaction of the human body to the product known.

# Safety Data Sheet

## Tinopal® SFP

Revision date : 2011/01/24

Version: 1.0

Page: 2/7

(30474777/SDS\_GEN\_US/EN)

No data available.

### Potential environmental effects

#### **Aquatic toxicity:**

Low toxicity to aquatic organisms. Releases to the environment are to be avoided.

## 3. Composition / Information on Ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
Trade Secret	1.0 - 50.0 %	Confidential salt
Trade Secret	60.0 - 100.0 %	Proprietary fluorescent brightener

## 4. First-Aid Measures

#### **If inhaled:**

Remove victim to fresh air and away from exposure immediately. If not breathing, give artificial respiration. If breathing difficulties develop, aid in breathing and seek immediate medical attention. If necessary, give oxygen.

#### **If on skin:**

After contact with skin, wash immediately with plenty of water and soap. If irritation develops, seek medical attention.

#### **If in eyes:**

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

#### **If swallowed:**

Do not induce vomiting. If vomiting occurs naturally, don't try to avoid it. Seek medical attention.

#### **Note to physician**

Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## 5. Fire-Fighting Measures

Flash point:

Autoignition:

540 °C

Lower explosion limit:

Upper explosion limit:

Flammability:

does not ignite

Self-ignition temperature:

> 100 °C

The product has not been tested.

No data available.

No data available.

#### **Suitable extinguishing media:**

carbon dioxide, dry powder, foam, water spray

#### **Unsuitable extinguishing media for safety reasons:**

water jet

#### **Hazards during fire-fighting:**

nitrogen oxides, sulfur oxides, carbon oxides

Standard procedure for chemical fires. 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.

# Safety Data Sheet

## Tinopal® SFP

Revision date : 2011/01/24  
Version: 1.0

Page: 3/7  
(30474777/SDS\_GEN\_US/EN)

### 6. Accidental release measures

#### Cleanup:

Sweep up or vacuum small pieces and dusts and place in appropriate container for disposal. Avoid dust formation. Wear suitable protective equipment. Avoid release to the environment.

### 7. Handling and Storage

#### Handling

##### Protection against fire and explosion:

The product is combustible. Avoid dust formation. 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 and dry; store in a cool place. Keep only in the original container.

### 8. Exposure Controls and Personal Protection

#### Advice on system design:

Work in well ventilated areas. Do not breathe dust.

#### Personal protective equipment

##### Body protection:

Wear chemical resistant gloves and protective clothing.

##### General safety and hygiene measures:

Segregate from foodstuffs.

### 9. Physical and Chemical Properties

Form:	powder	
Odour:	odourless	
Colour:	yellow	
pH value:	9.3	( 1 %(m), 20 - 25 °C) (as suspension)
Melting point:	> 300 °C	
Boiling point:		not applicable
Partitioning coefficient n-octanol/water (log Pow):	< -4	( 20 - 25 °C)
Viscosity, dynamic:		No data available.
Viscosity, kinematic:		No data available.
% volatiles:		not determined

### 10. Stability and Reactivity

#### Dust explosivity characteristics:

Kst:

# Safety Data Sheet

## Tinopal® SFP

Revision date : 2011/01/24  
Version: 1.0

Page: 4/7  
(30474777/SDS\_GEN\_US/EN)

**Conditions to avoid:**

Avoid electro-static discharge.:  
Avoid sources of ignition.:

**Substances to avoid:**

strong acids, strong bases, strong oxidizing agents

**Hazardous reactions:**

Stable under normal conditions.

**Decomposition products:**

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

**Thermal decomposition:**

290 °C

**Oxidizing properties:**

not determined

---

## 11. Toxicological information

**Acute toxicity****Oral:**

Type of value: LD50  
Species: rat  
Value: > 2,000 mg/kg

**Inhalation:**

*Information on: Confidential salt*  
-----

**Dermal:**

*Information on: Confidential salt*  
-----

**Irritation / corrosion:****Skin:**

*Information on: Confidential salt*  
*Species: rabbit*  
*Result: non-irritant*  
*Method: Draize test*

*Information on: Proprietary fluorescent brightener*  
*Species: rabbit*  
*Result: non-irritant*  
*Method: OECD Guideline 404*  
-----

**Eye:**

*Information on: Confidential salt*  
*Species: rabbit*  
*Result: non-irritant*  
*Method: Draize test*

# Safety Data Sheet

## Tinopal® SFP

Revision date : 2011/01/24

Version: 1.0

Page: 5/7

(30474777/SDS\_GEN\_US/EN)

*Information on: Proprietary fluorescent brightener*

*Species: rabbit*

*Result: non-irritant*

*Method: OECD Guideline 405*

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

### Sensitization:

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

### Repeated dose toxicity

Experimental/calculated data:

(CIBA) The test substance was administered in the diet to rats for 3 months at doses of 0, 150, 750 and 2,000 ppm. The only effect seen was an increase in liver weights and some slight hypertrophy of hepatocytes in the high-dose group. These effects were reversible during a recovery period. The no-observable-effect level (NOEL) was 750 ppm, equivalent to 44-50 mg/kg/day.

No data available concerning repeated dose toxicity.

No data available concerning repeated dose toxicity.

## 12. Ecological Information

### Fish

Acute:

Brachydanio rerio/LC50: > 1,000 mg/l

### Aquatic invertebrates

Acute:

not determined

### Aquatic plants

Toxicity to aquatic plants:

not determined

### Microorganisms

Toxicity to microorganisms:

activated sludge/EC50: > 100 mg/l

### Degradability / Persistence

#### Biological / Abiological Degradation

Test method: OECD 301C; ISO 9408; 92/69/EEC, C.4-F

Evaluation: Not readily biodegradable.

### Bioaccumulation

No data available concerning bioaccumulation. No data available.

### Environmental mobility:

#### Transport between environmental compartments:

No data available.

# Safety Data Sheet

## Tinopal® SFP

Revision date : 2011/01/24  
Version: 1.0

Page: 6/7  
(30474777/SDS\_GEN\_US/EN)

### Other adverse effects:

Do not discharge product into the environment without control.

---

## 13. Disposal considerations

---

## 14. Transport Information

### Land transport USDOT

Not classified as a dangerous good under transport regulations

### Sea transport IMDG

Not classified as a dangerous good under transport regulations

### Air transport IATA/ICAO

Not classified as a dangerous good under transport regulations

---

## 15. Regulatory Information

### VOC content:

not determined

### 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):** Acute;

### State regulations

#### CA Prop. 65:

There are no listed chemicals in this product.  
There are no listed chemicals in this product.

---

## 16. Other Information

### NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

# Safety Data Sheet

## Tinopal® SFP

Revision date : 2011/01/24

Version: 1.0

Page: 7/7

(30474777/SDS\_GEN\_US/EN)

---

### 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: 2011/01/24

Tinopal® SFP is a registered trademark of BASF Corporation or BASF SE

IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

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