

# Safety Data Sheet

According to 91/155/EEC



\*\*\*\* for illustration only \*\*\*\*

PRODUCT XYZ

Release: 0.0 (REG\_EU)  
Date / Revised: 08.09.2006  
Date of Print 31. Okt. 06

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

Designation/Trade Name: **PRODUCT XYZ**  
Use: Sensitizer for use in thermal paper manufacture  
Company: Ciba Specialty Chemicals Inc.  
Klybeckstrasse 141  
CH-4002 BASEL  
Switzerland  
Tel +41 61 636 11111  
Fax +41 61 636 2222  
  
Emergency contact: +41 61 636 1515

## 2. Composition/Information on Ingredients

## 3. Hazards Identification



Harmful.



Dangerous for the environment.

### R phrase(s):

R22 Harmful if swallowed.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4. First-aid Measures

### If inhaled:

Move to fresh air. Seek medical attention if you feel unwell or if exposure prolonged. In case of irritation of the respiratory system or mucous membranes, seek medical attention.

### On skin contact:

Remove contaminated clothing. Wash affected skin with soap and plenty of water. Wash with plenty of soap and water. Do not use organic solvents.

### On contact with eyes:

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

### On ingestion:

Affected person should drink 500 - 800 ml water, if possible with suspended activated carbon for medical use. In case of spontaneous vomiting be sure that vomits can freely drain because of danger of suffocation. Give water repeatedly. In case of spontaneous vomiting be sure that vomits can freely drain due to danger of suffocation. Rinse mouth and then drink plenty of water. Induce vomiting (only first-aid staff) if person is conscious. Seek medical attention. Check breathing and pulse. Place victim in the recovery position, cover and keep warm. Loosen tight clothing such as a collar, tie, belt or waistband. Seek medical attention. Seek medical attention.

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## 5. Fire-fighting Measures

### Suitable extinguishing media :

Water spray, carbon dioxide, foam, dry powder

### Unsuitable extinguishing media for safety reasons :

Water jet

### Exposure hazards :

Do not release chemically contaminated water into drains, soil or surface water. Sufficient measures must be taken to retain the water used for extinguishing. Dispose of contaminated water and soil according to local regulations.

### Special protective equipment :

Full protective clothing. Wear a self-contained breathing apparatus.

## 6. Accidental Release Measures

### Personal precautions :

Do not breathe vapors/dust. Sources of ignition should be kept well clear. Avoid inhalation and ingestion, avoid contact with skin, eyes and clothing.

### Environmental precautions :

Prevent entry into sewage systems, ground and surface waters.

### Methods for cleaning-up or taking-up :

Take up mechanically and collect in suitable container (adequately labelled) for disposal. Collect waste in suitable containers, which can be labeled and sealed. Avoid raising dust.

## 7. Handling and Storage

### Handling

Handle and open container with care.

## 8. Exposure Controls and Personal Protection

### Technical measures/precautions :

Exposure limit(s) should be monitored using suitable analytical equipments.

### Personal protective equipment

#### Respiratory protection:

Dust mask.

#### Hand protection:

Protective gloves.

#### Eye protection:

Tightly fitting safety goggles (cage goggles) (EN 166) and face shield.

#### Skin and body protection:

Working clothes.  
Closed footwear.

## 9. Physical and Chemical Properties

Melting point:

70 - 75 °C

(Directive 92/69/EEC, A.1)

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Boiling point:	> 300 °C (98.3 kPa)	
Flash point:	> 165 °C	(Directive 92/69/EEC, A.9, closed cup)
Flammability:	Not flammable	
Self-ignition temperature:	380 °C	
Fire promoting properties:	not fire-propagating	(Directive 92/69/EEC, A.17)
Vapor pressure:	0.00012 Pa (25 °C)	(OECD Guideline 104)
Density:	1.21 g/cm <sup>3</sup> (20 °C)	(OECD Guideline 109)
Solubility in water:	18 mg/l (20 °C)	
Partitioning coefficient n-octanol/water (log Pow):	3.09 (20 - 25 °C)	(Directive 92/69/EEC, A.8)
Molar mass:	279.4 g/mol	

## 10. Stability and Reactivity

### Conditions to avoid:

Avoid electro-static discharge. Avoid light.

### Materials to avoid:

Strong acids, strong bases, strong oxidizing agents

## 11. Toxicological Information

### Acute oral toxicity:

Rat/LD50: 1,800 mg/kg

### Acute dermal toxicity:

Rat/LD50: > 2,000 mg/kg

### Skin irritation/corrosion:

Rabbit:

### Eye irritation/corrosion:

Rabbit:

### Skin Sensitization:

Guinea pig maximization test/guinea pig:

### Other relevant toxicity information:

Following prolonged exposure, neurotoxic effects and reproductive toxicity have been observed in the rat.

## 12. Ecological Information

### Toxicity to fish:

OECD Guide-line 203

Brachydanio rerio/LC50: 9 mg/l

### Toxicity to aquatic invertebrates:

OECD Guideline 202, part 1

Daphnia magna/EC50: 15.3 mg/l

### Toxicity to aquatic plants:

Scenedesmus sp./EC50: 1.7 mg/l

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## Toxicity to microorganisms:

Activated sludge/IC50: > 100 mg/l

## Chronic toxicity to aquatic invertebrates:

Daphnia magna: 15.3 mg/l

## Biodegradation:

Test method: OECD 301B; ISO 9439; 92/69/EEC, C.4-C

Evaluation: Not readily biodegradable.

Assessment: Not easily biodegradable (by OECD criteria).

## 13. Disposal Considerations

### Waste from residue/unused products:

Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation.

### Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

Uncontaminated packs can be re-used.

Uncontaminated packaging can be recycled.

Dispose of in accordance with national, state and local regulations.

## 14. Transport Information

### Land transport:

**ADR:** Class: 9  
UN number: UN 3077  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, SOLID, N.O.S.  
Hazard Identification Number: 90  
Label: 9  
Packing Group: III

**RID:** Class: 9  
UN number: UN 3077  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, SOLID, N.O.S.  
Hazard Identification Number: 90  
Label: 9  
Packing Group: III

### Sea transport:

Class: 9  
UN number: UN 3077  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, SOLID, N.O.S.  
Label: 9  
Packing Group: III  
Marine pollutant: NO

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## Air transport:

ICAO/IATA:	Class:	9
	UN/ID-number:	UN 3077
	Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	Label:	9MI
	Packing Group:	III

## 15. Regulatory Information

### Regulations of the European Union (Labelling) / National legislation/regulations

#### Hazard symbol(s):

Xn Harmful.



N Dangerous for the environment.



#### R phrase(s):

R22 Harmful if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### S phrase(s):

S22 Do not breathe dust.

S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Contains:

EC Number: 400-600-6

## 16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.