

**Safety data sheet**

Page: 1/7

BASF Safety data sheet according to 91/155/EEC

(000000000030034682/SDS\_GEN\_EU/EN)

Date / Revised: 25.04.2002

Version: 2.2

Product: **PALATINOL\* AH**

Date of print 27.09.2002

**1. Substance/preparation and company identification**

Use: chemical

**PALATINOL\* AH**Company:

BASF Aktiengesellschaft  
Unternehmensbereich Petrochemikalien  
67056 Ludwigshafen  
Telephone: 0621-60-45045  
Telefax number: 0621-60-45814  
E-mail address: petrochemical.safety@basf-ag.de

Emergency information:

Fire brigade BASF Ludwigshafen  
Telephone: 0621-60-43333  
Telefax number: 0621-60-92664

**2. Composition/information on ingredients**Chemical nature

Di-ethylhexylphthalate

CAS Number: 117-81-7  
EINECS-number: 204-211-0  
INDEX-Number: 607-317-00-9

**3. Hazards identification**

May impair fertility.

Category 2: Substances which should be regarded as if they impair fertility in humans

May cause harm to the unborn child.

Category 2: Substances which should be regarded as if they cause developmental toxicity to humans

**4. First-aid measures**

General advice:

Immediately remove contaminated clothing.

BASF Safety data sheet according to 91/155/EEC  
Date / Revised: 25.04.2002  
Product: **PALATINOL\* AH**

(000000000030034682/SDS\_GEN\_EU/EN)  
Version: 2.2

Date of print 27.09.2002

**If inhaled:**

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

**On skin contact:**

Wash thoroughly with soap and water.

**On contact with eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

**On ingestion:**

Rinse mouth immediately and then drink plenty of water, seek medical attention.

**Note to physician:**

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

---

## **5. Fire-fighting measures**

**Suitable extinguishing media:**

carbon dioxide, dry extinguishing media, water spray, water, foam

**Special protective equipment:**

In case of fire, wear a self-contained breathing apparatus.

**Further information:**

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Collect separately contaminated extinguishing water, do not allow to reach sewage or effluent systems.

---

## **6. Accidental release measures**

**Personal precautions:**

Avoid inhalation. Avoid contact with the skin, eyes and clothing.

**Environmental precautions:**

Do not empty into drains.

**Methods for cleaning up or taking up:**

Pump off large amounts. Pick up residues with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with the regulations.

---

## 7. Handling and storage

### Handling

Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

Electrical devices must meet the specified temperature class.

Temperature class: T2 (Autoignition temperature >300 °C).

### Storage

Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

## 8. Exposure controls and personal protection

### Components with workplace control parameters

117-81-7: Di-ethylhexylphthalate

### Personal protective equipment

Respiratory protection:

Breathing protection if ventilation is inadequate. Gas filter EN141 Type A for gases/vapours of organic compounds (boiling point >65 °C).

Hand protection:

Chemical resistant protective gloves (EN 374)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374)

butyl rubber (butyl) - 0.7 mm coating thickness

Manufacturer's directions for use must be observed because of great diversity of types.

Supplementary note: The specifications are based on own tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined in accordance to EN 374.

Eye protection:

Safety glasses with side-shields (frame goggles) (EN 166)

Body protection:

light protective clothing

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Avoid inhalation of vapour. Avoid contact with the skin, eyes and clothing.

BASF Safety data sheet according to 91/155/EEC  
Date / Revised: 25.04.2002  
Product: **PALATINOL\* AH**

(000000000030034682/SDS\_GEN\_EU/EN)  
Version: 2.2

Date of print 27.09.2002

## 9. Physical and chemical properties

Form:	liquid	
Colour:	colourless	
Odour:	almost odourless	
pH value:	approx. 7	
pour point:	-46 °C	(DIN/ISO 3016)
Boiling range:	230 - 233 °C (7 mbar)	(DIN 53171)
Flash point:	200 °C	(DIN 51758)
Lower explosion limit:	0,15 %(V)	
Upper explosion limit:	0,18 %(V)	
Ignition temperature:	370 °C	(DIN 51794)
Vapour pressure:	0,00001 mbar (50 °C) 1,8 mbar (200 °C)	
Density:	0,983 - 0,985 g/cm3 (20 °C)	(DIN 51757)
Solubility in water:	0,003 mg/l (20 °C) Literature data.	
Solubility (qualitative):	soluble in many organic solvents	
Partitioning coefficient n-octanol/water (log Pow):	approx. 7,50	
Viscosity, dynamic:	77 - 82 mPa.s (20 °C)	(DIN 51562)

## 10. Stability and reactivity

Thermal decomposition:  
No decomposition if used as directed.

Hazardous reactions:  
Reacts with strong oxidizing agents.

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

BASF Safety data sheet according to 91/155/EEC  
Date / Revised: 25.04.2002  
Product: **PALATINOL\* AH**

(000000000030034682/SDS\_GEN\_EU/EN)  
Version: 2.2

Date of print 27.09.2002

## 11. Toxicological information

LD50/oral/rat: > 30.000 mg/kg  
Literature data.

LD50/dermal/rabbit: > 24.500 mg/kg  
Literature data.

Primary skin irritation/rabbit: non-irritant (OECD Guideline 404)

Primary irritations of the mucous membrane/rabbit: non-irritant (OECD Guideline 405)

Sensitization/Buehler test/guinea pig:  
no sensitizing effect

Additional information:

Reproduction toxicity studies in rats and mice: After oral administration indications of a fetotoxic effect and disturbances of the reproduction ability occurred.

## 12. Ecological information

### Ecotoxicity

Toxicity to fish:  
Flow through.  
Pimephales promelas/LC50 (96 h): > 0,67 mg/l  
Literature data.

Aquatic invertebrates:  
Daphnia magna/EC50 (48 h): > 0,16 mg/l  
OECD Guideline 202, part 1  
Daphnia magna/EC50 (48 h): > 100 mg/l  
The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.

Aquatic plants:  
Selenastrum capricornutum/EC50 (96 h): > 0,1 mg/l  
Literature data.  
ETAD method, modified OECD Guideline 201  
Scenedesmus subspicatus/EC50 (72 h): > 130 mg/l  
The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested. Literature data.

Microorganisms/Effect on activated sludge:  
DIN/EN/ISO 8192-OECD 209-88/302/EEC, P. C  
> 2.000 mg/l  
Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. Literature data.

BASF Safety data sheet according to 91/155/EEC  
Date / Revised: 25.04.2002  
Product: **PALATINOL\* AH**

(000000000030034682/SDS\_GEN\_EU/EN)  
Version: 2.2

Date of print 27.09.2002

## **Mobility**

## **Persistence and degradability**

### Elimination information

Test method:	OECD 301B; ISO 9439; 92/69/EEC, C.4-C
Method of analysis:	CO <sub>2</sub> formation relative to the theoretical value
Degree of elimination:	70 - 80 %
Evaluation:	Readily biodegradable (according to OECD criteria).

## **Bioaccumulation potential**

Pimephales promelas  
Bioconcentration factor: > 100  
The product may be accumulated in organisms.  
Literature data.

## **Other adverse effects**

## **Additional information**

---

## **13. Disposal considerations**

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:  
Uncleaned empties should be disposed of in the same manner as the contents.

---

## **14. Transport information**

Not classified as hazardous under transport regulations.

---

## **15. Regulatory information**

Regulations of the European union (Labelling) / National legislation/Regulations

BASF Safety data sheet according to 91/155/EEC

(000000000030034682/SDS\_GEN\_EU/EN)

Date / Revised: 25.04.2002

Version: 2.2

Product: **PALATINOL\* AH**

Date of print 27.09.2002

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances:

Hazard symbol(s)

T

Toxic.

R-phrases(s)

R60

May impair fertility.

R61

May cause harm to the unborn child.

S-phrases(s)

S53

Avoid exposure - obtain special instructions before use.

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Other regulations**

RE2 - Category 2: Substances which should be regarded as if they cause developmental toxicity to humans

RF 2 - Category 2: Substances which should be regarded as if they impair fertility in humans

**16. Other information**

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

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

