

Safety data sheet

PALATINOL® 911P

Revision date : 2004/04/21
Version: 1.0

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(30237079/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company
BASF Corporation
3000 Continental Drive - North
Mount Olive, NJ 07828-1234

24 Hour Emergency Response Information
CHEMTREC: (800) 424-9300
BASF HOTLINE: (800) 832-HELP

Chemical family: phthalate acid ester

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
68515-43-5	> 99.5 %	1,2-Benzenedicarboxylic acid, di-C9-11-branched and linear alkyl esters

3. Hazard identification

Emergency overview

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
Ensure adequate ventilation.
Wear a NIOSH-certified (or equivalent) organic vapour respirator.
Wear NIOSH-certified chemical goggles.
Avoid contact with the skin, eyes and clothing.

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.

4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

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

If on skin:

Wash thoroughly with soap and water.

If in eyes:

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

If swallowed:

Rinse mouth and then drink plenty of water.

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5. Fire-fighting measures

Flash point:	237 °C	(DIN/ISO 2592)
Autoignition:	345 °C	(DIN 51794)
Lower explosion limit:	0.2 %(V)	
Upper explosion limit:	1.2 %(V)	

Suitable extinguishing media:

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

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

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

6. Accidental release measures

Personal precautions:

Handle in accordance with good industrial hygiene and safety practice.

Environmental precautions:

Do not empty into drains.

Cleanup:

Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and storage

Handling**General advice:**

Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Storage**General advice:**

Containers should be stored tightly sealed in a dry place.

8. Exposure controls and personal protection

Personal protective equipment**Hand protection:**

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles).

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General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Form:	liquid	
Odour:	almost odourless	
Colour:	colourless	
pH value:	approx. 7	
pour point:	-50 °C	(DIN/ISO 3016)
Boiling range:	283 - 295 °C	(7 mbar) (DIN 53171)
Vapour pressure:	< 0.1 mbar	(20 °C)
	0.3 mbar	(200 °C)
Density:	0.960 - 0.964	(20 °C) (DIN 51757)
	g/cm ³	
Partitioning coefficient n-octanol/water (log Pow):	approx. 4.9	
Viscosity, dynamic:	68 - 78 mPa.s	(20 °C) (DIN 51562)
Solubility in water:	< 0.1 mg/l	(20 °C)
Solubility (qualitative):	soluble	
	solvent(s): organic solvents,	

10. Stability and reactivity

Hazardous reactions:

Reacts with strong oxidizing agents.

11. Toxicological information

Acute toxicity**Oral:**

LD50/rat: > 5,000 mg/kg

Inhalation:

rat:

Inhalation-risk test (IRT): No mortality within 8 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard.

Skin irritation:

rabbit: non-irritant (BASF-Test)

Eye irritation :

rabbit: non-irritant (BASF-Test)

12. Ecological information

Environmental fate and transport

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Biodegradation:

Evaluation: The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.
The substance can be virtually eliminated from water in suitable effluent treatment plants by biodegradation, stripping and mechanical separation.

Bioaccumulation:

Bioconcentration factor < 100
Literature data.

Environmental toxicity**Acute and prolonged toxicity to fish:**

OECD 203; ISO 7346; 84/449/EEC, C.1 Rainbow trout/LC50 (96 h): > 10,000 mg/l
Nominal concentration

Acute toxicity to aquatic invertebrates:

Daphnia magna/EC50 (48 h): > 500 mg/l
The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.

Toxicity to aquatic plants:

green algae/EC50 (72 h): > 500 mg/l
The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.

Toxicity to microorganisms:

DIN 38412 Part 8 bacterium/EC10: > 25,000 mg/l

Other ecotoxicological advice:

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. Do not release untreated into natural waters.

13. Disposal considerations

Waste disposal of substance:

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

Contaminated packaging:

Empty containers with less than 1 inch of residue may be landfilled at a licensed facility.

14. Transport information

Reference Bill of Lading

15. Regulatory information

Federal Regulations**Registration status:**

TSCA, US released / listed

State regulations

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State RTK

CAS Number
68515-43-5

Chemical name
1,2-Benzenedicarboxylic acid, di-C9-11-branched and linear
alkyl esters

State RTK
NJ, PA

16. Other information

Recommended use: for industrial use only

Local contact information

PROD_STEW_CA_CP_CZ@BASF.COM
+1 973 426 4670

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