

Safety data sheet

Page: 1/14

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Palatinol DOTP NA

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: for industrial use only

1.3. Details of the supplier of the safety data sheet

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Petrochemicals

Telephone: +49 621 60-42151

E-mail address: sds-petrochemicals@basf.com

1.4. Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

According to Regulation (EC) No 1272/2008 [CLP]

No need for classification according to GHS criteria for this product.

2.2. Label elements

According to Regulation (EC) No 1272/2008 [CLP]

The product does not require a hazard warning label in accordance with GHS criteria.

2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical nature

Preparation based on: Phthalate esters

Regulatory relevant ingredients

No particular hazards known.

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air.

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

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 and then drink 200-300 ml of water.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: No applicable information available.

4.3. Indication of any immediate medical attention and special treatment needed

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

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:

carbon dioxide, dry powder, water spray, foam

5.2. Special hazards arising from the substance or mixture

Advice: The product is combustible. Cool endangered containers with water-spray.

5.3. Advice for fire-fighters

Special protective equipment:

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.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice.

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with regulations.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Ensure thorough ventilation of stores and work areas. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

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

Electrical devices must meet the specified temperature class.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

No substance specific occupational exposure limits known.

8.2. Exposure controls

Personal protective equipment

Respiratory protection:

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

Wear respiratory protection if ventilation is inadequate. Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)

Hand protection:

Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc. Manufacturer's directions for use should be observed because of great diversity of types.

Supplementary note: The specifications are based on 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 through testing.

Eye protection:

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

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

State of matter:	liquid	
Form:	liquid	
Colour:	colourless	
Odour:	almost odourless	
Freezing point:	< -67,2 °C	
boiling temperature:	375 °C (101,325 kPa)	
Flammability:	hardly combustible	
Flash point:	212 °C	(ASTM D3278)
Auto-ignition temperature:	387 °C	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
pH value:		
Viscosity, dynamic:	not soluble, not applicable 65,8 mPa.s (25 °C)	(OECD 114)
Solubility in water:	practically insoluble	
Solubility (qualitative) solvent(s):	organic solvents soluble	
Density:	0,98 g/cm ³ (20 °C)	

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

Relative vapour density (air):> 1 (estimated)
(20 °C)
Heavier than air.

9.2. Other information

Information with regard to physical hazard classes

Other safety characteristics

Miscibility with water:

immiscible

Molar mass: 390,56 g/mol

SECTION 10: Stability and Reactivity

10.1. Reactivity

No applicable information available.

10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions

Reacts with strong oxidizing agents.

10.4. Conditions to avoid

Avoid extreme temperatures.

10.5. Incompatible materials

Substances to avoid:

strong oxidizing agents

10.6. Hazardous decomposition products

Hazardous decomposition products:

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

SECTION 11: Toxicological Information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Irritation

Assessment of irritating effects:

Not irritating to the skin. May cause slight irritation to the eyes.

Experimental/calculated data:

Skin corrosion/irritation

rabbit: non-irritant (OECD Guideline 404)

Skin corrosion/irritation

human: non-irritant (other)

Serious eye damage/irritation

rabbit: non-irritant (OECD Guideline 405)

Respiratory/Skin sensitization

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies. The substance did not cause skin sensitization in humans.

Experimental/calculated data:

other human: Non-sensitizing. (Human patch test)

other guinea pig: Non-sensitizing. (other)

Germ cell mutagenicity

Assessment of mutagenicity:

The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture. The substance was not genotoxic in mammalian cell culture.

Carcinogenicity

Assessment of carcinogenicity:

In long-term studies in rats in which the substance was given by feed, a carcinogenic effect was not observed.

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

Reproductive toxicity

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity

Assessment of teratogenicity:

No indications of a developmental toxic / teratogenic effect were seen in animal studies.

Specific target organ toxicity (single exposure)

Remarks: No applicable information available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Repeated oral uptake of the substance did not cause substance-related effects.

Aspiration hazard

No data available.

Interactive effects

No data available.

11.2. Information on other hazards

Endocrine disrupting properties

Product does not contain a substance above legal limits included in the list established in accordance with Article 59(1) of Regulation (EC) No 1907/2006 for having endocrine disrupting properties or is identified to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological Information

12.1. Toxicity

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

Assessment of aquatic toxicity:

Based on long-term (chronic) toxicity study data, the product is very likely not harmful to aquatic organisms.

No toxic effects occur within the range of solubility. There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish:

LC50 (7 d) > 0,25 mg/l, *Salmo gairdneri*, syn. *O. mykiss* (other, Flow through.)

No toxic effects occur within the range of solubility.

LC50 (96 h) > 984 mg/l, *Pimephales promelas* (OECD Guideline 203, static)

Aquatic invertebrates:

EC50 (48 h) > 1.4 ug/L, *Daphnia magna* (OECD Guideline 202, part 1, static)

No toxic effects occur within the range of solubility.

EC50 (96 h) > 624 ug/L, *Crassostrea virginica* (other, Flow through.)

Aquatic plants:

EC50 (72 h) > 0,86 mg/l (growth rate), *Selenastrum capricornutum* (OECD Guideline 201, static)

Microorganisms/Effect on activated sludge:

EC50 (3 h) 10 mg/l, (OECD Guideline 209, aquatic)

No toxic effects occur within the range of solubility.

Chronic toxicity to fish:

No observed effect concentration (60 d) > 0,28 mg/l, *Oncorhynchus mykiss* (other, Flow through.)

No toxic effects occur within the range of solubility.

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d) > 0,76 mg/l, *Daphnia magna* (OECD Guideline 211, Flow through.)

No toxic effects occur within the range of solubility.

Assessment of terrestrial toxicity:

No toxic effects have been observed in studies with terrestrial plants.

With high probability not acutely harmful to terrestrial organisms. No effects at the highest test concentration.

Terrestrial plants:

EC50 (14 d) > 1400-1500 ug/L (other)

12.2. Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Readily biodegradable (according to OECD criteria).

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

Elimination information:

73,5 % CO₂ formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable.

Assessment photodegradation:

After evaporation or exposure to the air, the product will be rapidly degraded by photochemical processes.

The product has not been tested. The statement has been derived from the structure of the product.

Photodegradation:

t_{1/2} (Direct photolysis) 0,487 d; OH radical (calculated)

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

Accumulation in organisms is not to be expected.

Bioaccumulation potential:

Bioconcentration factor(BCF): 393 (38 d)

12.4. Mobility in soil

Assessment transport between environmental compartments:

Adsorption in soil: not determined

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

Product does not contain a substance above legal limits included in the list established in accordance with Article 59(1) of Regulation (EC) No 1907/2006 for having endocrine disrupting properties or is identified to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

No data available.

12.8. Additional information

Other ecotoxicological advice:

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

Do not discharge product into the environment without control.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

SECTION 14: Transport Information

Land transport

ADR

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

RID

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Inland waterway transport

ADN

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

Environmental hazards:	Not applicable
Special precautions for user:	None known

Transport in inland waterway vessel

Not evaluated

Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

Air transport

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

14.1. UN number or ID number

See corresponding entries for "UN number or ID number" for the respective regulations in the tables above.

14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in the tables above.

14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

SECTION 15: Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water hazard class (§6 AwSV para.4 (Legal binding announcement of the substance in the Federal Gazette)): (nwg) Not water polluting. ID-No.: 6531

German Regulation TA Luft (Technical Instruction on Air Quality Control, i.e. first Directive to the Federal Immission Control Ordinance)
Law on the Protection of Working Youth

SECTION 16: Other Information

Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time

BASF safety data sheet. This is a translation of the country-specific safety data sheet into a language other than that required by law. This document does not replace the safety data sheet provided according to Regulation (EC) No 1907/2006.

Date / Revised: 21.07.2022

Version: 1.0

Date previous version: not applicable

Previous version: none

Date / First version: 21.07.2022

Product: **Palatinol DOTP NA**

(ID no. 30642299/SDS_GEN_DE/EN)

Date of print 03.09.2024

Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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