

# Safety Data Sheet

## PALATINOL® M

Revision date : 2025/08/26

Version: 3.0

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(30034815/SDS\_GEN\_MX/EN)

### 1. Identification

#### Product identifier used on the label

#### PALATINOL® M

#### Recommended use of the chemical and restriction on use

Recommended use\*: plasticizers

Recommended use\*: industrial chemicals

Unsuitable for use: FIFRA pesticide inert

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF Mexicana S.A. de C.V.

Av. Insurgentes Sur 975

Col. CD. De Los Deportes,

C.P. 03710 Ciudad de México

MÉXICO

Telephone: +52 55 5325 2600

#### Emergency telephone number

##### 24 Hour Emergency Response Information

SETIQ: 1800-00-214-(Rep. Mexicana) or 55-59-15-88 (CDMX)

Telephone: +1-800-849-5204 or +1-833-229-1000

#### Other means of identification

Chemical family: Phthalate esters

### 2. Hazards Identification

#### According to Regulation NOM-018-STPS-2015

#### Classification of the product

Aquatic Acute

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Hazardous to the aquatic environment - acute

#### Label elements

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Hazard Statement:  
H402 Harmful to aquatic life.

Precautionary Statements (Prevention):  
P273 Avoid release to the environment.

Precautionary Statements (Disposal):  
P501 Dispose of contents/container in accordance with local regulations.

### Hazards not otherwise classified

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. See section 12 - Results of PBT and vPvB assessment.

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## 3. Composition / Information on Ingredients

### According to Regulation NOM-018-STPS-2015

dimethyl phthalate  
CAS Number: 131-11-3  
Content (W/W):  $\geq 99.5$  -  $\leq 100.0\%$   
Synonym: 1,2-Benzenedicarboxylic acid dimethyl ester; Phthalic acid dimethyl ester, Dimethyl phthalate

The actual concentration is withheld as a trade secret.

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## 4. First-Aid Measures

### Description of first aid measures

**General advice:**  
Remove contaminated clothing.

**If inhaled:**  
Keep patient calm, remove to fresh air.

**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 200-300 ml of water.

### Most important symptoms and effects, both acute and delayed

Symptoms: No data available.

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Hazards: (Further) symptoms and / or effects are not known so far

### Indication of any immediate medical attention and special treatment needed

#### Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:  
dry powder, water spray, carbon dioxide, foam

Unsuitable extinguishing media for safety reasons:  
water jet

Additional information:  
Use extinguishing measures to suit surroundings.

### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
The product is combustible. Cool endangered containers with water-spray. See SDS section 7 - Handling and storage.

### Advice for fire-fighters

Protective equipment for fire-fighting:  
Wear a self-contained breathing apparatus. Special protective equipment for firefighters

### Further information:

Evacuate area of all unnecessary personnel. Fight fire from maximum distance.

Extend fire extinguishing measures to the surroundings. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### Impact Sensitivity:

Remarks: Based on the chemical structure there is no shock-sensitivity.

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## 6. Accidental release measures

### Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

Shut off or stop source of leak. Shut off or stop released substance/product under safe conditions.

Pack in tightly closed containers for disposal.

### Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice.

### Environmental precautions

Discharge into the environment must be avoided.

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### Methods and material for containment and cleaning up

Pick up with suitable appliance and dispose of. Spills should be contained, solidified, and placed in suitable containers for disposal. Dispose of absorbed material in accordance with regulations.

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## 7. Handling and Storage

### Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

No special precautions necessary. Substance/product is non-flammable.

### Conditions for safe storage, including any incompatibilities

No applicable information available.

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

Store protected against freezing.

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## 8. Exposure Controls/Personal Protection

### Components with occupational exposure limits

dimethyl phthalate                      OEL, MX:                      TWA value 5 mg/m<sup>3</sup> ;

### Advice on system design:

Ensure adequate ventilation.

### Personal protective equipment

#### Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

#### Hand protection:

Chemical resistant protective gloves

#### Eye protection:

Tightly fitting safety goggles (chemical goggles).

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

#### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

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## 9. Physical and Chemical Properties

Physical state:                      liquid

Form:                                      liquid

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Odour:	almost odourless	
Odour threshold:	not determined	
Colour:	colourless	
pH value:	not applicable, of very low solubility	
Freezing point:	0.36 °C	(other)
Boiling point:	283.1 °C ( 1,013 hPa)	(other)
Sublimation point:	No applicable information available.	
Flash point:	158 °C	(DIN 51758, closed cup)
Flammability:	not flammable	(other)
Lower explosion limit:	1.2 %(V) ( 144 °C) The lower explosion point of the substance/mixture has been determined. The explosion point describes the temperature of a flammable liquid at which the concentration of the saturated vapour mixed with air equals the lower explosion limit.	(air)
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	470 °C	(DIN 51794)
SADT:	Study scientifically not justified. Not a substance/mixture liable to self-decomposition according to GHS.	
Vapour pressure:	0.0013 hPa ( 20 °C) dynamic	(measured)
Density:	1.1917 g/cm3 ( 20 °C) Literature data.	(pycnometer)
Relative density:	1.1917 ( 20 °C) Literature data.	(pycnometer)
Relative vapour density:	6.69 ( 20 °C) Heavier than air.	(calculated)
Partitioning coefficient n-octanol/water (log Pow):	1.54 ( 25 °C)	(OECD Guideline 107)
Self-ignition temperature:	not self-igniting	(other)
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	17.2 mPa.s ( 25 °C) Literature data.	
Viscosity, kinematic:	No applicable information available.	
Solubility in water:	4.0 g/l ( 25 °C)	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	soluble solvent(s): organic solvents,	
Molecular weight:	194.19 g/mol	

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Evaporation rate: Value can be approximated from Henry's Law Constant or vapor pressure.

### Particle characteristics

Particle size distribution: The substance / product is marketed or used in a non solid or granular form.

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## 10. Stability and Reactivity

### **Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing. (other)

Formation of flammable gases:	Remarks:	Forms no flammable gases in the presence of water.
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### **Chemical stability**

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

### **Possibility of hazardous reactions**

Reacts with strong oxidizing agents.

### **Conditions to avoid**

No special precautions other than good housekeeping of chemicals.

Avoid freezing.

### **Incompatible materials**

strong oxidizing agents

### **Hazardous decomposition products**

Decomposition products:

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

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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## 11. Toxicological information

### **Primary routes of exposure**

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### **Acute Toxicity/Effects**

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### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.

### Oral

Type of value: LD50

Species: rat

Value: 8,200 mg/kg

Literature data.

### Inhalation

Type of value: LC0

Species: rat

Value: > 10.4 mg/l (IRT)

Exposure time: 6 h

The vapour was tested.

No mortality within the stated exposition time as shown in animal studies. Literature data.

### Dermal

Type of value: LD50

Species: rabbit

Value: > 12,000 mg/kg (similar to OECD guideline 402)

Literature data.

### Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

### Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

### Skin

Species: rabbit

Result: non-irritant

Method: Draize test

Literature data.

### Eye

Species: rabbit

Result: non-irritant

Method: OECD Guideline 405

### Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

Mouse Local Lymph Node Assay (LLNA)

Species: mouse

Result: Non-sensitizing.

Method: OECD Guideline 429

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

### Aspiration Hazard

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not applicable

### Chronic Toxicity/Effects

#### Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects. The results were determined in a Screening test.

#### Genetic toxicity

Assessment of mutagenicity: In the majority of tests performed (bacteria/microorganisms/cell cultures) a mutagenic effect was not found. A mutagenic effect was also not observed in in-vivo assays.

#### Carcinogenicity

Assessment of carcinogenicity: The substance did not show tumor-promoting activity in rodents after pretreatment with a carcinogenic substance. The substance showed no carcinogenic activity in animals after chronic administration to the skin.

#### Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

#### Teratogenicity

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

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## 12. Ecological Information

### Toxicity

#### Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. Based on long-term (chronic) toxicity study data, the product is very likely not 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

No data available.

#### Aquatic invertebrates

No data available.

#### Aquatic plants

EC10 (72 h) > 100 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)

#### Chronic toxicity to fish

No observed effect concentration (102 d) 11 mg/l, Oncorhynchus mykiss (OPP 72-4 (EPA-Guideline), Flow through.)

The statement of the toxic effect relates to the analytically determined concentration.

#### Chronic toxicity to aquatic invertebrates



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EC10 (21 d) > 10 mg/l, Daphnia magna (OECD Guideline 211, semistatic)

### Assessment of terrestrial toxicity

No toxic effects have been observed in studies with soil living organisms.

### Soil living organisms

Toxicity to soil dwelling organisms:

No observed effect concentration (56 d) 47,200 mg/kg, Eisenia foetida (other)

The details of the toxic effect relate to the nominal concentration.

LC50 (14 d) 3,160 mg/kg, Eisenia foetida (other, artificial soil)

The details of the toxic effect relate to the nominal concentration.

### Toxicity to terrestrial plants

No data available.

### Other terrestrial non-mammals

No data available.

## Microorganisms/Effect on activated sludge

### Toxicity to microorganisms

DIN EN ISO 8192-OECD 209-88/302/EEC, P. C aquatic

activated sludge, domestic/EC20 (0.5 h): approx. 400 mg/l

The details of the toxic effect relate to the nominal concentration.

## Persistence and degradability

### Assessment biodegradation and elimination (H<sub>2</sub>O)

Readily biodegradable (according to OECD criteria).

### Elimination information

86 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic, non-adapted)

### Assessment of stability in water

No data available.

### Information on Stability in Water (Hydrolysis)

No data available.

## Bioaccumulative potential

### Assessment bioaccumulation potential

Does not significantly accumulate in organisms.

### Bioaccumulation potential

Bioconcentration factor: 57 (21 d), Lepomis macrochirus (measured)

## Mobility in soil

### Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.

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Adsorption to solid soil phase is possible.

### Additional information

Other ecotoxicological advice:  
Do not release untreated into natural waters.

## 13. Disposal considerations

### Waste disposal of substance:

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

### Container disposal:

Disposal must be made according to official regulations.

## 14. Transport Information

### Land transport

TDG

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

### Federal Regulations

Not applicable

### NFPA Hazard codes:

Health: 1      Fire: 1      Reactivity: 0      Special:

### HMIS III rating

Health: 1      Flammability: 1      Physical hazard: 0

### Assessment of the hazard classes according to UN GHS criteria (most recent version):

Aquatic Acute      3      Hazardous to the aquatic environment - acute

## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations

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SDS Prepared on: 2025/08/26

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This information is considered accurate but is not exhaustive and shall only be used as a guideline based on current knowledge of the chemical substance or mixture. Safety precautions suitable for the product must be applied.

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