

SAFETY DATA SHEET



PALLADIA

Section 1. Identification

Product identifier : PALLADIA

Other means of identification : Palladia 50mg/15mg/10mg
Toceranib Phosphate Tablets

Product type : Solid.

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

Identified uses

Veterinary product. Antineoplastic

Uses advised against

Not for human use

Supplier's details : Zoetis Canada Inc.
16740 Trans-Canada Highway
Kirkland, Quebec, H9H 4M7

1-800-461-0917
All Safety Data Sheets are available via our Zoetis Canada website at
<https://www.zoetis.ca/sds/sds.aspx>

Emergency telephone number (with hours of operation) : CHEMTREC (24 hours): 1-800-424-9300

International CHEMTREC (24 hours): +1-703-527-3887

Rocky Mountain Poison & Drug Safety: 1-866-531-8896
Product support/Technical services: 1-888-963-8471

Zoetis Inc.
10 Sylvan Way
Parsippany, New Jersey 07054 (USA)

Section 2. Hazard identification

Classification of the substance or mixture : EYE IRRITATION - Category 2B
TOXIC TO REPRODUCTION - Category 1B
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Causes eye irritation.
May damage fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure. (blood system, digestive system)

Precautionary statements

Section 2. Hazard identification

- Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection. Do not breathe dust. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
- Response** : IF exposed or concerned: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

| Ingredient name | Synonyms | % (w/w) | Identifiers |
|--------------------------|--------------------------|-----------|---------------------|
| Cellulose (paper fibers) | Cellulose (paper fibers) | ≥30 - ≤60 | CAS: 9004-34-6 |
| Toceranib phosphate | - | ≥10 - ≤30 | CAS: 874819-74-6 |
| magnesium distearate | - | ≥1 - ≤5 | CAS: 557-04-0 |

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 4. First-aid measures

Most important symptoms/effects, acute and delayed

May cause reproductive effects. Ingestion may result in mild gastrointestinal irritation with nausea, vomiting, or diarrhea. Prolonged exposure may cause chronic effects. Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Specific hazards arising from the chemical : No specific fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials:, carbon dioxide, carbon monoxide, nitrogen oxides, metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : Keep unnecessary personnel away.
- For emergency responders** : Keep unnecessary personnel away. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Section 6. Accidental release measures

- Small spill** : Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store between the following temperatures: 15 to 30°C (59 to 86°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|--------------------------|--|
| Cellulose (paper fibers) | <p>CA Saskatchewan Provincial (Canada, 4/2021) STEL 15 minutes: 20 mg/m³. Form: fibre. TWA 8 hours: 10 mg/m³. Form: fibre.</p> <p>CA British Columbia Provincial (Canada, 4/2024) Notes: The 8-hour TWA listed in the Table is for the total dust. The substance also has an 8-hour TWA of 3 mg/m³ for the respirable fraction. TWA 8 hours: 10 mg/m³. Form: Total dust. TWA 8 hours: 3 mg/m³. Form: respirable fraction.</p> <p>CA Ontario Provincial (Canada, 6/2019) TWA 8 hours: 10 mg/m³.</p> <p>CA Quebec Provincial (Canada, 2/2024) TWAEV 8 hours: 10 mg/m³. Form: total particulate matter.</p> <p>CA Alberta Provincial (Canada, 3/2023)</p> |

Section 8. Exposure controls/personal protection

Toceranib phosphate
magnesium distearate

OEL 8 hours: 10 mg/m³.

Zoetis OEL (ZOETIS OEL)

TWA: 10 µg/m³.

CA Saskatchewan Provincial (Canada, 4/2021) [Stearates]

STEL 15 minutes: 20 mg/m³.

TWA 8 hours: 10 mg/m³.

CA British Columbia Provincial (Canada, 4/2024) [stearates] Notes: Does not include stearates of toxic metals.

TWA 8 hours: 10 mg/m³. Form: Inhalable.

TWA 8 hours: 3 mg/m³. Form: Respirable.

CA Ontario Provincial (Canada, 6/2019) [Stearates]

TWA 8 hours: 10 mg/m³. Form: Inhalable particulate matter..

TWA 8 hours: 3 mg/m³. Form: Respirable particulate matter..

CA Quebec Provincial (Canada, 2/2024) [stearates]

TWAEV 8 hours: 10 mg/m³. Form: inhalable aerosol fraction.

TWAEV 8 hours: 3 mg/m³. Form: respirable aerosol fraction.

CA Alberta Provincial (Canada, 3/2023) [Stearates, excludes stearates of toxic metals]

OEL 8 hours: 10 mg/m³.

Biological exposure indices

No exposure indices known.

Control Banding Approach

Not available.

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Section 8. Exposure controls/personal protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** : Solid. [tablets]
- Color** : Orange. or Red. or Blue.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point/freezing point** : Not available.
- Boiling point or initial boiling point and boiling range** : Not available.
- Flash point** : Not applicable.
- Evaporation rate** : Not available.
- Flammability** : Not available.
- Lower and upper explosion limit/flammability limit** : Not applicable.
- Vapor pressure** : Not available.
- Relative vapor density** : Not applicable.
- Relative density** : Not available.
- Solubility in water** : Not available.
- Partition coefficient: n-octanol/water** : Not applicable.
- Auto-ignition temperature** : Not applicable.
- Decomposition temperature** : Not available.
- Viscosity** : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): Not available.

Particle characteristics

- Pmax** : Not available.
- Kst** : Not available.

Section 9. Physical and chemical properties

- Min. Ignition Temperature (Dust)** : Not available.
- Minimum ignition energy (MIE) - dust cloud** : Not available.
- Median particle size** : Not available.

Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : No specific data.
- Remarks** : Reactive or incompatible with the following materials: oxidizing materials and moisture.
Fluorine
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result |
|--------------------------|--|
| Cellulose (paper fibers) | Rabbit - Dermal - LD50 >2000 mg/kg |
| Toceranib phosphate | Rat - Oral - LD50 >5000 mg/kg |
| magnesium distearate | Rat - Oral - LDLo 2500 mg/kg |
| | Rat - Oral - LD50 >2000 mg/kg |

Conclusion/Summary [Product] : May be harmful in contact with skin.

Skin corrosion/irritation

| Product/ingredient name | Result |
|-------------------------|-------------------------------------|
| Toceranib phosphate | Rabbit - Skin - Not irritant |

Conclusion/Summary [Product] : Not applicable.

Serious eye damage/eye irritation

| Product/ingredient name | Result |
|--------------------------|--------------------------------------|
| Cellulose (paper fibers) | Rabbit - Eyes - Not irritant |
| Toceranib phosphate | Rabbit - Eyes - Mild irritant |

Conclusion/Summary [Product] : Causes eye irritation.

Section 11. Toxicological information

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not applicable.

Respiratory or skin sensitization

Product/ingredient name

Toceranib phosphate

Result

Mouse - skin

OECD 429 [Skin Sensitization: Local Lymph Node Assay]

Result: Not sensitizing

Skin

Conclusion/Summary [Product] : Not applicable.

Respiratory

Conclusion/Summary [Product] : Not applicable.

Specific target organ toxicity (single exposure)

Not applicable.

Specific target organ toxicity (repeated exposure)

Product/ingredient name

Toceranib phosphate

Result

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, digestive system) - Category 1

Aspiration hazard

Not applicable.

Information on the likely routes of exposure

Not available.

Potential acute health effects

May cause reproductive effects. Ingestion may result in mild gastrointestinal irritation with nausea, vomiting, or diarrhea. Prolonged exposure may cause chronic effects. Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort.

Potential chronic health effects

Product/ingredient name

Toceranib phosphate

Result

Sub-acute - Dog - Oral - LOAEL

2.5 mg/kg [7 days per week] [7 days]

Toxic effects: Gastrointestinal - Other changes

Sub-acute - Rat - Oral - LOAEL

10 mg/kg [7 days per week] [14 days]

Toxic effects: Specific Developmental Abnormalities - Blood and lymphatic system (including spleen and marrow)

Sub-acute - Dog - Oral - NOAEL

<50 mg/kg [7 days per week] [8 days]

Toxic effects: Gastrointestinal - Other changes

Section 11. Toxicological information

General : Causes damage to organs through prolonged or repeated exposure.

Germ cell mutagenicity

Product/ingredient name

Toceranib phosphate

Result

In vitro - Bacteria

OECD 471 [Bacterial Reverse Mutation Test]

Result: Negative

In vitro - Mammalian-Human

OECD 473 [In vitro Mammalian Chromosomal Aberration Test]

Result: Negative

In vivo - Mammalian-Animal

OECD 474 [Mammalian Erythrocyte Micronucleus Test]

Result: Negative

Conclusion/Summary [Product] : No known significant effects or critical hazards.

Carcinogenicity

Not available.

Classification

| Product/ingredient name | IARC | NTP | ACGIH |
|-------------------------|------|-----|-------|
| magnesium distearate | - | - | A4 |

Conclusion/Summary [Product] : No known significant effects or critical hazards.

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : May damage fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapors) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|--------------------------|--------------|----------------|--------------------------|----------------------------|-------------------------------------|
| PALLADIA | 109605.3 | 2527.0 | N/A | N/A | N/A |
| Cellulose (paper fibers) | N/A | 2500 | N/A | N/A | N/A |
| magnesium distearate | 2500 | N/A | N/A | N/A | N/A |

Section 12. Ecological information

Toxicity

Not available.

Conclusion/Summary [Product] : No known significant effects or critical hazards.

Persistence and degradability

Not available.

Section 12. Ecological information

Conclusion/Summary [Product] : Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater. The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

| | TDG Classification | IMDG | IATA |
|-----------------------------------|---------------------------|----------------|----------------|
| UN number | Not regulated. | Not regulated. | Not regulated. |
| UN proper shipping name | - | - | - |
| Transport hazard class(es) | - | - | - |
| Packing group | - | - | - |
| Environmental hazards | No. | No. | No. |

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

Canadian lists

Canadian NPRI : None of the components are listed.

CEPA Toxic substances : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

| | |
|--------------------------------|--|
| Australia | : Not determined. |
| Canada | : Not determined. |
| China | : Not determined. |
| Eurasian Economic Union | : Russian Federation inventory : Not determined. |
| Japan | : Japan inventory (CSCL) : Not determined. Japan inventory (ISHL) : Not determined. |
| New Zealand | : Not determined. |
| Philippines | : Not determined. |
| Republic of Korea | : Not determined. |
| Taiwan | : Not determined. |
| Thailand | : Not determined. |
| Turkey | : Not determined. |
| United States | : Not determined. |
| Viet Nam | : Not determined. |

Section 16. Other information

History

Date of issue/Date of revision : 7/21/2025

Date of previous issue : 5/27/2025

Version : 1.01

Key to abbreviations

: ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 DOT = Department of Transportation
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 HPR = Hazardous Products Regulations
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 IMO = International Maritime Organization
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 N/A = Not available

Section 16. Other information

SGG = Segregation Group
TDG = Transportation of Dangerous Goods
UN = United Nations

Procedure used to derive the classification

| Classification | Justification |
|---|----------------------|
| EYE IRRITATION - Category 2B | Calculation method |
| TOXIC TO REPRODUCTION - Category 1B | Calculation method |
| SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 | Calculation method |

References : Not available.

Notice to reader

Zoetis Inc. believes that the information contained in this Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time.