

|-&gt;

Title 22@ Social Security

|-&gt;

Division 4.5@ Environmental Health Standards for the Management of Hazardous Waste

|-&gt;

Chapter 55@ Safer Consumer Products

|-&gt;

Article 11@ Priority Products List

|-&gt;

Section 69511.7@ Motor Vehicle Tires Containing N-(1,3-Dimethylbutyl)-N'-Phenyl-P-Phenylenediamine (6PPD)

## **69511.7 Motor Vehicle Tires Containing N-(1,3-Dimethylbutyl)-N'-Phenyl-P-Phenylenediamine (6PPD)**

### **(a)**

"Motor vehicle tires containing

N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine (6PPD)" means a motor vehicle tire, as defined in subsection (a)(2), that contains the chemical

N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine (6PPD). (1) "Tire" means any product that can be described or observed as a covering for a wheel, usually made of rubber reinforced with cords of nylon, fiberglass, or other material, whether filled with compressed gas (such as air or nitrogen), solid, or non-pneumatic (airless). (2) For the purposes of this section, "motor vehicle tire" includes: (A) Any tire, as defined in subsection (a)(1), that is intended for use on light duty vehicles (passenger cars, light trucks, vans, and sport utility vehicles), motorcycles, motor homes, medium- and heavy-duty trucks, buses, and trailers (including trailer coaches, park trailers, and semitrailers); and (B) Tire tread material: circular or linear precured tread and raw rubber solely for use in mold cure retreading of a tire, as defined in subsection (a)(1). (C) For the purposes of this section, "motor vehicle tire" does not include: 1. A tire imported into or sold in California as a component of a motor vehicle; 2. A tire intended for exclusive use on off-road vehicles, including aircraft; vehicles intended exclusively for off-road

(e.g., dirt track) use; construction and agricultural equipment such as excavators, paving equipment, tractors, combines, bulldozers, and skidders (but not farm labor vehicles); industrial equipment such as forklifts, airport service equipment, and ice-grooming machines; and military vehicles (except those that are equivalent to civilian vehicles covered by this product definition, such as light-duty vehicles used as staff cars, buses, and delivery vehicles); and 3. The used component(s) of a retreaded tire.

**(1)**

"Tire" means any product that can be described or observed as a covering for a wheel, usually made of rubber reinforced with cords of nylon, fiberglass, or other material, whether filled with compressed gas (such as air or nitrogen), solid, or non-pneumatic (airless).

**(2)**

For the purposes of this section, "motor vehicle tire" includes: (A) Any tire, as defined in subsection (a)(1), that is intended for use on light duty vehicles (passenger cars, light trucks, vans, and sport utility vehicles), motorcycles, motor homes, medium- and heavy-duty trucks, buses, and trailers (including trailer coaches, park trailers, and semitrailers); and (B) Tire tread material: circular or linear precured tread and raw rubber solely for use in mold cure retreading of a tire, as defined in subsection (a)(1).

(C) For the purposes of this section, "motor vehicle tire" does not include: 1. A tire imported into or sold in California as a component of a motor vehicle; 2. A tire intended for exclusive use on off-road vehicles, including aircraft; vehicles intended exclusively for off-road (e.g., dirt track) use; construction and agricultural equipment such as excavators, paving equipment, tractors, combines, bulldozers, and skidders (but not farm labor vehicles); industrial equipment such as forklifts, airport service equipment, and ice-grooming machines; and military vehicles (except those that are equivalent to

civilian vehicles covered by this product definition, such as light-duty vehicles used as staff cars, buses, and delivery vehicles); and 3.The used component(s) of a retreaded tire.

**(A)**

Any tire, as defined in subsection (a)(1), that is intended for use on light duty vehicles (passenger cars, light trucks, vans, and sport utility vehicles), motorcycles, motor homes, medium- and heavy-duty trucks, buses, and trailers (including trailer coaches, park trailers, and semitrailers); and

**(B)**

Tire tread material: circular or linear precured tread and raw rubber solely for use in mold cure retreading of a tire, as defined in subsection (a)(1).

**(C)**

For the purposes of this section, "motor vehicle tire" does not include:1.A tire imported into or sold in California as a component of a motor vehicle; 2.A tire intended for exclusive use on off-road vehicles, including aircraft; vehicles intended exclusively for off-road (e.g., dirt track) use; construction and agricultural equipment such as excavators, paving equipment, tractors, combines, bulldozers, and skidders (but not farm labor vehicles); industrial equipment such as forklifts, airport service equipment, and ice-grooming machines; and military vehicles (except those that are equivalent to civilian vehicles covered by this product definition, such as light-duty vehicles used as staff cars, buses, and delivery vehicles); and 3.The used component(s) of a retreaded tire.

**1.**

A tire imported into or sold in California as a component of a motor vehicle;

**2.**

A tire intended for exclusive use on off-road vehicles, including aircraft; vehicles intended exclusively for off-road (e.g., dirt track) use; construction and agricultural equipment such as

excavators, paving equipment, tractors, combines, bulldozers, and skidders (but not farm labor vehicles); industrial equipment such as forklifts, airport service equipment, and ice-grooming machines; and military vehicles (except those that are equivalent to civilian vehicles covered by this product definition, such as light-duty vehicles used as staff cars, buses, and delivery vehicles); and

**3.**

The used component(s) of a retreaded tire.

**(b)**

Candidate Chemical. For purposes of this chapter

N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine (6PPD) is the Candidate Chemical identified as the basis for the product defined in subsection (a) being listed as a Priority Product.

**(c)**

Hazard traits associated with 6PPD include:(1) Dermatotoxicity; (2) Hematotoxicity; (3) Hepatotoxicity; (4) Ocular toxicity; (5) Reproductive toxicity; (6) Phytotoxicity; and (7) Wildlife survival impairment.

**(1)**

Dermatotoxicity;

**(2)**

Hematotoxicity;

**(3)**

Hepatotoxicity;

**(4)**

Ocular toxicity;

**(5)**

Reproductive toxicity;

**(6)**

Phytotoxicity; and

**(7)**

Wildlife survival impairment.

**(d)**

In accordance with 69503.3(a)(1)(G), hazard traits associated with 6PPD-quinone, a reaction product of 6PPD, include one or more of the following: (1) Reactivity in biological systems; (2) Respiratory toxicity; (3) Loss of genetic diversity and biodiversity; and (4) Wildlife survival impairment.

**(1)**

Reactivity in biological systems;

**(2)**

Respiratory toxicity;

**(3)**

Loss of genetic diversity and biodiversity; and

**(4)**

Wildlife survival impairment.

**(e)**

Toxicological and environmental endpoints associated with exposure to 6PPD include: (1) Skin sensitization in guinea pigs and humans, and skin erythema in rabbits; (2) Anemia in rats; (3) Increased liver weight, fatty degeneration of the liver, and vacuolar degeneration of the liver in rats; (4) Edema and erythema of the eye, discharge from the eye, and dullness of cornea in rabbits; (5) Dystocia in rats; (6) Decreased cell count in algae; (7) Acute lethality in fish; and (8) Immobilization or mortality in aquatic invertebrates.

**(1)**

Skin sensitization in guinea pigs and humans, and skin erythema in rabbits;

**(2)**

Anemia in rats;

**(3)**

Increased liver weight, fatty degeneration of the liver, and vacuolar degeneration of the liver in rats;

**(4)**

Edema and erythema of the eye, discharge from the eye, and dullness of cornea in rabbits;

**(5)**

Dystocia in rats;

**(6)**

Decreased cell count in algae;

**(7)**

Acute lethality in fish; and

**(8)**

Immobilization or mortality in aquatic invertebrates.

**(f)**

Toxicological and environmental endpoints associated with exposure to 6PPD-quinone include: (1) Acute lethality and pre-spawn mortality in fish; (2) Erratic surface swimming, gaping, fin splaying, and loss of orientation and equilibrium in fish; and (3) Increased hematocrit, dysregulation of blood plasma ions, and disruption of the blood brain barrier in fish.

**(1)**

Acute lethality and pre-spawn mortality in fish;

**(2)**

Erratic surface swimming, gaping, fin splaying, and loss of orientation and equilibrium

in fish; and

**(3)**

Increased hematocrit, dysregulation of blood plasma ions, and disruption of the blood brain barrier in fish.

**(g)**

For the purposes of this chapter, the Candidate Chemical identified in subsection (b) is designated as the Chemical of Concern for the product defined in subsection (a).

**(h)**

The Preliminary Alternatives Analysis Report for this Priority Product shall be submitted within 180 days after the effective date of this regulation.