

# SAFETY DATA SHEET



Revision date: 03-Jun-2015

Version: 3.2

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## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

### Product Identifier

**Material Name:** Deccox® 6%

**Trade Name:** DECCOX®  
**Synonyms:** Deccox® 6% Premix, Deccox 6.6%  
**Chemical Family:** Mixture

### Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Intended Use:** Veterinary product used for coccidiosis  
**Restrictions on Use:** Not for human use

### Details of the Supplier of the Safety Data Sheet

**Zoetis Inc.**  
100 Campus Drive, P.O. Box 651  
Florham Park, New Jersey 07932 (USA)  
Rocky Mountain Poison and Drug Center Phone: 1-866-531-8896  
Product Support/Technical Services Phone: 1-800-366-5288

**Zoetis Belgium S.A.**  
Mercuriusstraat 20  
1930 Zaventem  
Belgium

**Emergency telephone number:**  
**CHEMTREC (24 hours):** 1-800-424-9300  
**Contact E-Mail:** VMIPRecords@zoetis.com

**Emergency telephone number:**  
**International CHEMTREC (24 hours):** +1-703-527-3887

## 2. HAZARDS IDENTIFICATION

**Appearance:** Beige solid

### Classification of the Substance or Mixture

**GHS - Classification** Not classified as hazardous

### US OSHA Specific - Classification

**Physical Hazard:** Combustible Dust

### EU Classification:

**EU Indication of danger:** Not classified

### Label Elements

**Signal Word:** Warning  
**Hazard Statements:** May form combustible dust concentrations in air

**Precautionary Statements:** P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

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### Other Hazards

#### Short Term:

Dust may cause irritation. Ingestion may result in mild gastrointestinal irritation with nausea, vomiting, or diarrhea.

#### Long Term:

May cause damage to developmental system. May cause effects in the developing fetus.  
Non-Hazardous Substance. Non-Dangerous Goods.

### Australian Hazard Classification (NOHSC):

#### Note:

This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warning included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	GHS Classification	%
Decoquinat	18507-89-6	242-389-1	Not Listed	Not Listed	6

Ingredient	CAS Number	EU EINECS/ELINCS List	EU Classification	GHS Classification	%
Wheat Middling	Not Assigned	Not Listed	Not Listed	Not Listed	*
Soybean oil	8001-22-7	232-274-4	Not Listed	Not Listed	*

### Additional Information:

\* Proprietary

Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety. In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### Description of First Aid Measures

#### Eye Contact:

Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

#### Skin Contact:

Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

#### Ingestion:

Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

#### Inhalation:

Remove to fresh air and keep patient at rest. Seek medical attention immediately.

### Most Important Symptoms and Effects, Both Acute and Delayed

#### Symptoms and Effects of Exposure:

For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.

#### Medical Conditions

Breathing dust may worsen asthma symptoms.

#### Aggravated by Exposure:

### Indication of the Immediate Medical Attention and Special Treatment Needed

#### Notes to Physician:

None

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### 5. FIRE-FIGHTING MEASURES

- Extinguishing Media:** Extinguish fires with CO2, extinguishing powder, foam, or water.
- Special Hazards Arising from the Substance or Mixture**
- Hazardous Combustion Products:** Formation of toxic gases is possible during heating or fire.
- Fire / Explosion Hazards:** Dust can form an explosive mixture in air. Fine particles (such as dust and mists) may fuel fires/explosions.
- Advice for Fire-Fighters**  
During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions, Protective Equipment and Emergency Procedures**  
Avoid dust formation. Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.
- Environmental Precautions**  
Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.
- Methods and Material for Containment and Cleaning Up**
- Measures for Cleaning / Collecting:** Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity). Avoid generating airborne dust. Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Clean spill area thoroughly.
- Additional Consideration for Large Spills:** Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel. Avoid generating airborne dust. Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Collect spill with a non-combustible absorbent material and transfer to labeled container for disposal.

### 7. HANDLING AND STORAGE

- Precautions for Safe Handling**  
Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding and bonding procedures. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Minimize dust generation and accumulation. Use with adequate ventilation. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Releases to the environment should be avoided. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.
- Conditions for Safe Storage, Including any Incompatibilities**
- Storage Conditions:** Keep in a cool, well-ventilated place. Keep away from heat, sparks, flame, and other sources of ignition. Keep away from direct sunlight.
- Specific end use(s):** No data available

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Control Parameters**  
No Occupational Exposure Limit (OEL) or Short Term Exposure Limit (STEL) has been identified.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

The purpose of the Occupational Exposure Band (OEB) classification system is to separate substances into different Hazard categories when the available data are sufficient to do so, but inadequate to establish an Occupational Exposure Limit (OEL). The OEB given is based upon an analysis of all currently available data; as such, this value may be subject to revision when new information becomes available.

#### Decoquinatate

Zoetis OEB

OEB 1 (control exposure to the range of 1000ug/m<sup>3</sup> to 3000ug/m<sup>3</sup>)

#### Exposure Controls

##### Engineering Controls:

Engineering controls should be used as the primary means to control exposures. Keep airborne contamination levels within the OEB range. General room ventilation is adequate unless the process generates dust, mist or fumes.

##### Personal Protective Equipment:

Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

##### Hands:

Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.

##### Eyes:

Wear safety glasses or goggles if eye contact is possible.

##### Skin:

Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.

##### Respiratory protection:

Respiratory protection should be provided in instances where exposure to dust, mists, aerosols or vapors are likely. If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a protection factor sufficient to control exposures to the bottom of the OEB range.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical State:

Solid

#### Color:

Beige

#### Odor:

No data available.

#### Odor Threshold:

No data available.

#### Molecular Formula:

Mixture

#### Molecular Weight:

Mixture

#### Solvent Solubility:

No data available

#### Water Solubility:

No data available

#### Solubility:

Insoluble: Water

#### pH:

No data available.

#### Melting/Freezing Point (°C):

No data available

#### Boiling Point (°C):

No data available.

#### Partition Coefficient: (Method, pH, Endpoint, Value)

##### Decoquinatate

Measured 5.2 - 5.5 Log P

#### Decomposition Temperature (°C):

No data available.

#### Evaporation Rate (Gram/s):

No data available

#### Vapor Pressure (kPa):

No data available

#### Vapor Density (g/ml):

No data available

#### Relative Density:

No data available

#### Viscosity:

No data available

#### Flammability:

##### Autoignition Temperature (Solid) (°C):

No data available

##### Flammability (Solids):

No data available

##### Flash Point (Liquid) (°C):

No data available

##### Upper Explosive Limits (Liquid) (% by Vol.):

No data available

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Lower Explosive Limits (Liquid) (% by Vol.):	No data available
Dust Explosivity:	
Max. Explosion Pressure (bar):	5.9
Max. Rate of Pressure Rise (bar/sec):	91
Kst Value (bar*m/s):	25
St Class:	1
Min. Ignition Energy (mJ):	30-100
Min. Ignition Temperature (°C):	400
Thermal Stability:	
Layer (5 mm layer) Ignition Temperature (LIT, °C):	300

### 10. STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable under normal conditions of use.
Possibility of Hazardous Reactions	
Oxidizing Properties:	No data available
Conditions to Avoid:	Keep away from heat and other sources of ignition, including electrostatic discharge. Avoid dispersion as a dust cloud. Dust may form explosive mixture in air. Fine particles (such as mists) may fuel fires/explosions.
Incompatible Materials:	As a precautionary measure, keep away from strong oxidizers
Hazardous Decomposition Products:	Thermal decomposition products may include carbon monoxide, carbon dioxide and other toxic vapors.

### 11. TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects

**General Information:** Toxicological properties of the formulation have not been investigated. The information in this section describes the potential hazards of the individual ingredients and the formulation.  
Routes of exposure: eye contact , skin contact , inhalation

#### Acute Toxicity: (Species, Route, End Point, Dose)

##### Decoquinat

Rat Oral LD50 > 5000 mg/kg  
Rat Inhalation LC50 > 4000 mg/L

**Acute Toxicity Comments:** A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

#### Irritation / Sensitization: (Study Type, Species, Severity)

##### Decoquinat

Eye Irritation Rabbit Non-irritating  
Skin Irritation Rabbit Non-irritating  
Skin Sensitization Guinea Pig Negative

#### Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

##### Decoquinat

12 Week(s) Dog No route specified 15 mg/kg/day NOAEL None identified

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### 11. TOXICOLOGICAL INFORMATION

#### Reproduction & Development Toxicity: (Duration, Species, Route, Dose, End Point, Effect(s))

##### **Decoquinatate**

Embryo / Fetal Development	Rat	No route specified	100 mg/kg/day	NOAEL	Developmental toxicity, Maternal toxicity
Embryo / Fetal Development	Rabbit	No route specified	60 mg/kg/day	NOAEL	Fetotoxicity, Maternal Toxicity
Fertility and Embryonic Development	Rat	No route specified	Dose not specified		No effects at maximum dose

#### Genetic Toxicity: (Study Type, Cell Type/Organism, Result)

##### **Decoquinatate**

<i>In Vitro</i> Bacterial Mutagenicity (Ames)	<i>Salmonella</i> , <i>E. coli</i>	Negative
<i>In Vitro</i> Cytogenetics	Not specified	Negative
<i>In Vivo</i> Micronucleus	Bone Marrow	Negative

#### Carcinogen Status:

None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

### 12. ECOLOGICAL INFORMATION

#### **Environmental Overview:**

Environmental properties of the formulation have not been investigated. Releases to the environment should be avoided. The active ingredient in this mixture was not acutely toxic to aquatic organisms at its maximum solubility. See aquatic toxicity data below.

#### **Toxicity:**

#### Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

##### **Decoquinatate**

<i>Selenastrum capricornutum</i> (Green Alga)	OECD	NOEC	72 Hours	> 100 mg/L
<i>Oncorhynchus mykiss</i> (Rainbow Trout)	OECD	NOEC	96 Hours	> 100 mg/L
<i>Daphnia Magna</i> (Water Flea)	OECD	EC50	48 Hours	> 100 mg/L

#### **Aquatic Toxicity Comments:**

A greater than symbol (>) indicates that aquatic toxicity was not observed at the maximum dose tested.

#### **Persistence and Degradability:**

No data available

#### **Bio-accumulative Potential:**

No data available

##### **Decoquinatate**

Measured 5.2 - 5.5 Log P

#### **Mobility in Soil:**

No data available

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### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:**

Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. 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.

### 14. TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

### 15. REGULATORY INFORMATION

**Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**

**Canada - WHMIS: Classifications**

**WHMIS hazard class:**

Non-controlled

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

**Wheat Middling**

CERCLA/SARA 313 Emission reporting Not Listed

California Proposition 65 Not Listed

EU EINECS/ELINCS List Not Listed

**Decoquinate**

CERCLA/SARA 313 Emission reporting Not Listed

California Proposition 65 Not Listed

Australia (AICS): Present

EU EINECS/ELINCS List 242-389-1

**Soybean oil**

CERCLA/SARA 313 Emission reporting Not Listed

California Proposition 65 Not Listed

Inventory - United States TSCA - Sect. 8(b) Present

Australia (AICS): Present

EU EINECS/ELINCS List 232-274-4

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### 16. OTHER INFORMATION

**Data Sources:** The data contained in this SDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature.

**Reasons for Revision:** Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking. Updated Section 7 - Handling and Storage. Updated Section 8 - Exposure Controls / Personal Protection. Updated Section 10 - Stability and Reactivity. Updated Section 11 - Toxicology Information.

**Prepared by:** Toxicology and Hazard Communication  
Zoetis Global Risk Management

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.

**End of Safety Data Sheet**