



# SAFETY DATA SHEET

122000010459

## Debantic 50% WETTABLE POWDER INSECTICIDE

Version 2.0

Revision Date 06/13/2016

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

#### Product information

**Product Name:** Debantic 50% WETTABLE POWDER INSECTICIDE  
**Synonyms:** RABON® 50% WETTABLE POWDER INSECTICIDE  
**SDS Number:** 122000010459

**Use** : Pesticide

#### Company

Bayer HealthCare, LLC  
Animal Health Division  
12707 Shawnee Mission Parkway  
(West 63rd)  
Shawnee, KS 66216-1846  
UNITED STATES OF AMERICA  
(800) 633-3796

**In case of emergency:** (800) 422-9874  
Chemtrec: (800) 424-9300  
BAYER INFORMATION PHONE:(800) 633-3796  
INTERNATIONAL:(703) 527-3887

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

**Colour:** White to tan or light grey **Form:** solid **Odour:** mild, musty.

#### GHS Classification:

**Acute toxicity (Oral)** : Category 4

#### GHS Label element:

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** : H302 Harmful if swallowed.

**Precautionary statements** : **Prevention:**

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P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

**Response:**

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P391 Collect spillage.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in classification:**None known.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Weight percent	Components	CAS-No.
50%	Tetrachlorvinphos	22248-79-9
15.8%	Silicon dioxide	7631-86-9

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**4. FIRST AID MEASURES****General advice:** Take off all contaminated clothing immediately.**If inhaled:** Remove to fresh air. If symptoms persist, call a physician.**In case of skin contact:** After contact with skin, wash immediately with plenty of soap and water. If skin reactions occur, contact a physician.**In case of eye contact:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**If swallowed:** If swallowed, seek medical advice immediately and show this container or label.**Note to Physician:** This product is a cholinesterase inhibitor. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine. Product may cause aspiration pneumonia. Probable mucosal damage may contraindicate the use of gastric lavage.**Contact Number:** Use the Bayer Emergency Number in Section 1

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**5. FIREFIGHTING MEASURES****Suitable extinguishing media:** Any**Unsuitable extinguishing media:** none**Specific hazards during firefighting:** Fire may cause the release of: Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.**Further information:** Prevent fire extinguishing water from contaminating surface water or the ground water system.

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**6. ACCIDENTAL RELEASE MEASURES****Personal precautions:** Use personal protective equipment.**Methods for cleaning up:** Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).**Additional advice:** Avoid dust formation.**Further Accidental Release Notes**      Avoid dust formation.

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**7. HANDLING AND STORAGE****Handling:**

Avoid dust formation. Only handle product with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

Take measures to prevent the build up of electrostatic charge.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Respiratory protection:**

Recommended Filter type: NIOSH approved pesticide respirator.

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**Hand protection:**

Chemically resistant gloves.  
None required for consumer use of this product.

**Eye protection:**

Safety glasses  
  
None required for consumer use of this product.

**Other protective measures:**

Wear suitable protective equipment.  
  
Please consult label for end-user requirements.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form:	solid
Colour:	White to tan or light grey
Odour:	mild, musty
Odour Threshold:	No applicable information is available
Melting point:	No applicable information is available
Boiling point/boiling range:	No applicable information is available
Density:	0.4 g/cm <sup>3</sup>
Bulk density:	No applicable information is available
Vapour pressure:	No applicable information is available
Viscosity, dynamic:	No applicable information is available
Viscosity, kinematic:	No applicable information is available
Flow time:	No applicable information is available
Surface tension:	No applicable information is available
Miscibility with water:	No applicable information is available
Water solubility:	0.0116 g/l
pH:	6
Relative density:	No applicable information is available
Partition coefficient:	No applicable information is available
Solubility(ies):	No applicable information is available
Flash point:	No applicable information is available
Flammability (solid, gas):	No applicable information is available
Ignition temperature:	No applicable information is available
Explosion limits:	No applicable information is available

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**10. STABILITY AND REACTIVITY**

**Conditions to avoid:** No data available

**Materials to avoid:** Oxidizing agents

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**Hazardous reactions:** No data available

**Thermal decomposition:**

No data available

**Hazardous decomposition products:**

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

**Oxidizing properties:**

No statements available.

**Impact sensitivity:**

No data available

**Further information:** The following applies in general to flammable organic substances and preparations: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

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## 11. TOXICOLOGICAL INFORMATION

**Other information on toxicity:**

Silicon dioxide

No persistent or cumulative effects were observed.

**Acute oral toxicity:**

LD50 Rat : 3,200 mg/kg

**Acute inhalation toxicity:**

LC50 Rat: > 3.61 mg/l, 4 h

**Acute dermal toxicity:**

LD50 Rabbit: > 10,000 mg/kg

**Skin irritation:**

Rabbit

Result: Mild skin irritation

**Eye irritation:**

Rabbit

Result: Mild eye irritation

**Sensitisation:**

Result: Does not cause skin sensitisation.

**Genotoxicity in vitro:**

Silicon dioxide

Ames test

Result: Negative.

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Unscheduled DNA Synthesis Test  
Result: No evidence of a genotoxic effect.

Chromosome aberration test in vitro  
Result: Negative.

**Genotoxicity in vivo:**

Silicon dioxide  
In vivo Cytogenetic Test, Rat  
Result: Negative.

Dominant lethale test, Rat  
Result: Negative.

**Carcinogenicity:**

Silicon dioxide  
Result: No indication on the basis of the available data.

**Reproductive toxicity:**

Silicon dioxide  
Result: Animal testing did not show any effects on fertility.

**Teratogenicity:**

Silicon dioxide  
Result: Did not show teratogenic effects in animal experiments.

**Carcinogenicity:**

No Carcinogenic substances as defined by IARC, NTP and/or OSHA

**STOT - single exposure:**

No data available

**STOT - repeated exposure:**

No data available

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**12. ECOLOGICAL INFORMATION****General advice:**

Do not allow to enter surface waters or groundwater.

**Toxicity to fish:**

Tetrachlorvinphos  
LC50 0.5 mg/l  
Test species: Lepomis macrochirus (Bluegill) Duration of test: 96 h

Silicon dioxide  
Acute Fish toxicity: LC50 > 10,000 mg/l  
Test species: Danio rerio (zebra fish) Duration of test: 96 h  
Method: OECD 203

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**Toxicity to daphnia and other aquatic invertebrates:**

Tetrachlorvinphos

EC50 0.002 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 48 h

Silicon dioxide

EC50 &gt; 10,000 mg/l

Test species: Daphnia magna (Water flea) Duration of test: 24 h

Method: OECD 202

**Toxicity to algae:**

Silicon dioxide

EC50 440 mg/l

tested on: *Pseudokirchneriella subcapitata* (green algae) Duration of test: 72 h

NOEC 60 mg/l

tested on: *Pseudokirchneriella subcapitata* (green algae) Duration of test: 72 h**Biodegradability:**

Silicon dioxide

The methods for determining biodegradability are not applicable to inorganic substances.

**Physico-chemical removability:**

Silicon dioxide

The product is insoluble and sinks in water..

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**13. DISPOSAL CONSIDERATIONS**

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

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**14. TRANSPORT INFORMATION****Land transport (CFR)**

non-regulated

**US Sea transport (IMDG)**

non-regulated

**US Air transport (ICAO / IATA cargo aircraft only)**

non-regulated

**US Air transport (ICAO / IATA passenger and cargo aircraft)**

non-regulated

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**15. REGULATORY INFORMATION**

**Other regulations:** No statements available.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**

**Components**

None

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

**Components**

None

**US. EPA CERCLA Hazardous Substances (40 CFR 302)Components**

None

**California Prop. 65**

<b>Weight percent</b>	<b>Components</b>	<b>CAS-No.</b>
40 - 70%	Tetrachlorvinphos	22248-79-9

**OSHA Hazcom Standard Rating**      Hazardous

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**16. OTHER INFORMATION****Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.