

SAFETY DATA SHEET

122000008508

Vapona® CONCENTRATE INSECTICIDE

Version 3.0

Revision Date 08/05/2014

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Product Name: Vapona® CONCENTRATE INSECTICIDE
MSDS Number: 122000008508

Use : **Restricted Use Pesticide**

Company

BAYER HEALTHCARE LLC
Animal Health Division
12707 Shawnee Mission Parkway
(West 63rd)
Shawnee, KS 66216-1846
USA
(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**

DANGER! Toxic, Combustible Liquid Colour: yellowish Form: liquid liquid Odour: aromatic.
Toxic if swallowed or in contact with skin

GHS Classification:

| | |
|------------------------------------|---------------|
| Acute toxicity (Oral) | : Category 3 |
| Acute toxicity (Inhalation) | : Category 2 |
| Acute toxicity (Dermal) | : Category 3 |
| Eye irritation | : Category 2 |
| Skin irritation | : Category 2 |
| Skin sensitization | : Category 1 |
| Germ cell mutagenicity | : Category 1B |
| Carcinogenicity | : Category 1B |
| Aspiration hazard | : Category 1 |

GHS Label element:**Hazard pictograms**

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Signal word: **Danger****Hazard statements**

: H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H340 May cause genetic defects.
H350 May cause cancer.

Precautionary statements

: **Prevention:**
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P281 Use personal protective equipment as required.
Response:
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P331 Do NOT induce vomiting.
Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Other hazards which do not result in classification:

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Weight percent | Components | CAS-No. |
|----------------|------------|---------|
| 41.02% | Dichlorvos | 62-73-7 |

| Other Ingredients | | |
|-------------------|--------------|---------|
| Weight percent | Components | CAS-No. |
| 40 - 70% | Tradeseecret | |

4. FIRST AID MEASURES**General advice:** Take off all contaminated clothing immediately.**If inhaled:** Remove to fresh air. Call a physician immediately.

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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

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: High volume water jet

Specific hazards during firefighting: Fire may cause evolution of: Carbon monoxide (CO)
Carbon dioxide (CO₂)

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Methods for cleaning up: Cover spilt product with liquid-binding material (sand, silica gel, acid binder, universal binder, hybilat). Take up mechanically and fill into labelled, closable containers.

Additional advice: No special precautions required.

Further Accidental Release Notes No special precautions required.

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7. HANDLING AND STORAGE**Handling:**

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

No special protective measures against fire required.

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

Recommended Filter type: Organic vapor with prefilter

Hand protection:

Chemically resistant gloves.

Eye protection:

Chemical safety goggles or glasses.

Other protective measures:

chemically resistant boots

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------------|---|
| Form: | liquid |
| Colour: | yellowish |
| Odour: | aromatic |
| Odour Threshold: | No applicable information is available |
| Melting point: | No applicable information is available |
| Boiling point/boiling range: | > 148.9 °C |
| Density: | 1.062 g/cm ³ |
| Bulk density: | No applicable information is available |
| Vapour pressure: | < 2 hPa at 77 °F (25 °C) |
| Viscosity, dynamic: | No applicable information is available |
| Viscosity, kinematic: | 2.322 mm ² /s at 68 °F (20 °C) |
| Flow time: | No applicable information is available |
| Surface tension: | No applicable information is available |
| Miscibility with water: | in all proportions |
| Water solubility: | No applicable information is available |
| pH: | 2.90 at 10 g/l |
| Relative density: | No applicable information is available |
| Partition coefficient: | No applicable information is available |
| Solubility(ies): | No applicable information is available |
| Flash point: | 160.7 °F (71.5 °C) |
| Flammability (solid, gas): | No applicable information is available |

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Ignition temperature:

No applicable information is available

Explosion limits:

No applicable information is available

10. STABILITY AND REACTIVITY**Conditions to avoid:** Do not allow product to come in contact with:

Heat.

Exposure to sunlight.

Materials to avoid: Strong bases**Hazardous reactions:** no data available**Thermal decomposition:**

no data available

Hazardous decomposition products:Carbon monoxide (CO), Carbon dioxide (CO₂)**Oxidizing properties:**

No statements available.

Impact Sensitivity:no data available

11. TOXICOLOGICAL INFORMATION**Acute oral toxicity:**LD₅₀ rat : 78.5 mg/kg**Acute inhalation toxicity:**LC₅₀ < 2 mg/l, 4 h

Under the conditions of the test no mortality caused.

Acute dermal toxicity:LD₅₀ rabbit: > 200 mg/kg**Skin irritation:**

Result: Severe skin irritation

Eye irritation:

Result: Severe eye irritation

Sensitisation:

Result: Contact sensitizer

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Carcinogenicity:

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

STOT - single exposure:

no data available

STOT - repeated exposure:no data available

12. ECOLOGICAL INFORMATION**General advice:**

Do not allow to enter surface waters or groundwater.

Toxicity to fish:

Dichlorvos

LC50 200 µg/l

Test species: Oncorhynchus mykiss (rainbow trout) Duration of test: 96 h

LC50 450 µg/l

Test species: Leuciscus idus (Golden orfe) Duration of test: 96 h

Toxicity to daphnia and other aquatic invertebrates:

Dichlorvos

LC50 19 µg/l

Test species: Daphnia Duration of test: 48 h

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.

14. TRANSPORT INFORMATION

Please note the classifications shown are for bulk shipments. Limited quantities or other exemptions may apply.

Land transport (CFR)**Proper shipping name:**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (contains DICHLORVOS)**Hazard Class or Division:**

9

UN/NA Number:

UN3082

Packaging group

III

Hazard Label(s):

Class 9

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Marine Pollutant: Marine pollutant

US Sea transport (IMDG)

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains DICHLORVOS)

Hazard Class or Division: 9

UN number: UN3082

Packaging group: III

Hazard Label(s): MISCELLANEOUS

Marine Pollutant: Marine pollutant

US Air transport (ICAO / IATA cargo aircraft only)

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains DICHLORVOS)

Hazard Class or Division: 9

UN/ID Number: UN3082

Packaging group: III

Hazard Label(s): MISCELLANEOUS

Marine Pollutant: Marine pollutant

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

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains DICHLORVOS)

Hazard Class or Division: 9

UN/ID Number: UN3082

Packaging group: III

Hazard Label(s): MISCELLANEOUS

Marine Pollutant: Marine pollutant

International IATA

UN Number 3082

Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DICHLORVOS)

Class 9

Packaging group III

Dangerous goods labels 9

Environmentally hazardous yes

International IMDG

UN Number 3082

Description of the goods ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (DICHLORVOS)

Class 9

Packaging group III

IMDG-Labels 9

EmS Number F-A

Marine Pollutant yes

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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

Dichlorvos

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

Dichlorvos

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

Dichlorvos

Reportable quantity: 10 lbs

Marine Pollutant Components

Dichlorvos

Severe marine pollutant.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists

Weight percent

Components

CAS-No.

30 - 60%

Dichlorvos

62-73-7

New Jersey Environmental Hazardous Substances List and/or New Jersey RTK Special Hazardous Substances Lists

Weight percent

Components

CAS-No.

30 - 60%

Dichlorvos

62-73-7

California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

OSHA Hazcom Standard Rating

Hazardous

16. OTHER INFORMATION

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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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.