



## SAFETY DATA SHEET

122000010790

**Advantage Household Spot & Crevice Spray**

Version 1.0

Revision Date 10/18/2013

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**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product information****Product Name:** Advantage Household Spot & Crevice Spray

MSDS Number: 122000010790

**Use** : veterinary medicine**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

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**2. HAZARDS IDENTIFICATION****Emergency Overview****CAUTION!** **Colour:** cloudy, off-white **Form:** liquid **Odour:** sweet.  
Harmful if swallowed.**GHS Classification:****Acute toxicity (Oral)** : Category 5**GHS Label element:****Signal word** : Warning**Hazard statements** : H303 May be harmful if swallowed.**Precautionary statements** : **Prevention:**  
P264 Wash hands thoroughly after handling.

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**Hazard Communication (29CFR 1910.1200)**

Skin Contact Eye Contact

**Acute Inhalation Hazards**

If misted or handled at elevated temperatures, high concentrations can produce irritation and/or difficulty breathing.

**Acute Skin Hazards**

May cause skin irritation.

**Acute Eye Hazards**

May cause slight irritation.

**Acute Ingestion Hazards**Expected to be harmful.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Weight percent</b>	<b>Components</b>	<b>CAS-No.</b>
1 - 5%	Distillates (petroleum), hydrotreated light	64742-47-8

<b>Other Ingredients</b>	<b>Components</b>	<b>CAS-No.</b>
<b>Weight percent</b> 0.05%	Imidacloprid	138261-41-3

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**4. FIRST AID MEASURES****General advice:** Take off all contaminated clothing immediately.**If inhaled:** Remove to fresh air. Call a physician immediately.**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.**Contact Number:** Use the Bayer Emergency Number in Section 1

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**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 (CO<sub>2</sub>)

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.

**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:** 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:**

Industrial uses: Avoid formation of aerosol. Avoid contact with skin, eyes and clothing.

No special protective measures against fire required.

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

Recommended Filter type: Organic vapor with prefilter

**Hand protection:**

Chemically resistant gloves.

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**Eye protection:**

Safety glasses

**Other protective measures:**

Wear suitable protective equipment.

Please consult label for end-user requirements.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form:	liquid	
Colour:	cloudy, off-white	
Odour:	sweet	
Odour Threshold:	No applicable information is available	
Melting point:	No applicable information is available	
Boiling point/boiling range:	No applicable information is available	
Density:	0.999 g/cm <sup>3</sup> at 68 °F (20 °C)	
Bulk density:	No applicable information is available	
Vapour pressure:	No applicable information is available	
Viscosity, dynamic:	6 mPa.s at 72.86 °F (22.7 °C)	
Viscosity, kinematic:	No applicable information is available	
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:	No applicable information is available	
Relative density:	No applicable information is available	
Partition coefficient:	No applicable information is available	
Solubility(ies):	No applicable information is available	
Flash point:	> 199.94 °F (> 93.3 °C)	closed cup
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**Hazardous reactions:** None known.**Thermal decomposition:**

no data available

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**Hazardous decomposition products:**Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)**Oxidizing properties:**

No statements available.

**Impact Sensitivity:**no data available

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**11. TOXICOLOGICAL INFORMATION****Other information on toxicity:**

No data is available on the product itself.

**Acute oral toxicity:**

LD50 rat : 3,129 mg/kg

**Acute inhalation toxicity:**

LC50 &gt; 2.09 mg/l, 4 h

**Acute dermal toxicity:**

LD50 &gt; 5,000 mg/kg

The substance or mixture has no acute dermal toxicity

**Skin irritation:**

Result: Mild skin irritation

**Eye irritation:**

rabbit

Result: No eye irritation

**Sensitisation:**

Result: Causes sensitization.

**Genotoxicity in vitro:**

Imidacloprid

Ames test

Result: negative

In vitro tests did not show mutagenic effects

**Genotoxicity in vivo:**

Imidacloprid

Result: No indication of mutagenic effects., No evidence of a genotoxic effect.

**Carcinogenicity:**

Imidacloprid

Result: Animal testing did not show any carcinogenic effects.

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**Reproductive toxicity:**

Imidacloprid

Result: Animal studies have produced no evidence of toxic effects on reproduction.

**Teratogenicity:**

Imidacloprid

Result: Animal studies have produced no evidence of harmful effects on development.

**Pharmaceutic effects:**

Imidacloprid

Insecticide

**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. No data is available on the product itself.

**Toxicity to fish:**

Distillates (petroleum), hydrotreated light

Acute Fish toxicity: LC50 &gt; 1,000 mg/l

Test species: *Salmo gairdneri* Duration of test: 96 h

Imidacloprid

Acute Fish toxicity: LC50 280 mg/l

Test species: *Cyprinus carpio* (Carp) Duration of test: 96 h

Acute Fish toxicity: LC50 211 mg/l

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

Acute Fish toxicity: LC50 237 mg/l

Test species: *Leuciscus idus* (Golden orfe) Duration of test: 96 h**Toxicity to daphnia and other aquatic invertebrates:**

Distillates (petroleum), hydrotreated light

EC50 &gt; 1,000 mg/l

Duration of test: 48 h

Imidacloprid

EC50 0.055 mg/l

Test species: *Hyalella azteca* Duration of test: 96 h

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**Toxicity to algae:**

Imidacloprid

EC50 &gt; 100 mg/l

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

EC50 &gt; 10 mg/l

tested on: Desmodesmus subspicatus (green algae) Duration of test: 72 h

**Toxicity to bacteria:**

Imidacloprid

EC50 &gt; 10,000 mg/l

tested on: activated sludge micro-organism

Method: OECD TG 209

**Bioaccumulation:**

Imidacloprid

Low potential for bioaccumulation

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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

**International IATA****UN Number**

3082

**Description of the goods**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(D-PHENOTHRIN)**Class**

9

**Packaging group**

III

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**Dangerous goods labels** 9  
**Environmentally hazardous** yes

**International IMDG**

**UN Number** 3082  
**Description of the goods** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
 N.O.S.  
 (D-PHENOTHRIN)  
**Class** 9  
**Packaging group** III  
**IMDG-Labels** 9  
**EmS Number** F-A  
**Marine Pollutant** yes

**15. REGULATORY INFORMATION**

**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**

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****HMIS Rating**

<b>Health</b>	2
<b>Flammability</b>	1
<b>Physical Hazard</b>	

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

\* = Chronic Health Hazard

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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.