

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

078911832

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078859690 078914278

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

078912351



# MATERIAL SAFETY DATA SHEET

## BAYER HEALTHCARE LLC

Animal Health Division  
12707 Shawnee Mission Parkway  
(West 63rd)  
Shawnee, KS 66216-1846

### TRANSPORTATION EMERGENCY

CALL CHEMTREC..... : (800) 424-9300

INTERNATIONAL ..... : (703) 527-3887

### NON-TRANSPORTATION

BAYER EMERGENCY PHONE : (800) 422-9874

BAYER INFORMATION PHONE: (800) 633-3796

## Section 1: Product and Company Identification

**Product Name:** QuickBayt Spot Spray  
**Material Number:** 8968805

## Section 2: Composition/Information on Ingredients

### HAZARDOUS INGREDIENTS

<u><b>Ingredient Name/ CAS Number</b></u>	<u><b>Exposure Limits</b></u>	<u><b>Concentration</b></u>	
		<u><b>Min.</b></u>	<u><b>Max.</b></u>
Sucrose 57-50-1	<b>OSHA (PEL):</b> 5.00 mg/m3 TWA Respirable Fraction 15.00 mg/m3 TWA Total Dust <b>ACGIH (TLV):</b> 10.00 mg/m3 TWA	60%	100%
Imidacloprid 138261-41-3	<b>OSHA (PEL):</b> Not Established <b>ACGIH (TLV):</b> Not Established	7%	13%
Synthetic amorphous silica 112926-00-8	<b>OSHA (PEL):</b> 80.00 mg/m3 TWA Total Dust (divide PEL by %SiO <sub>2</sub> + 2) <b>ACGIH (TLV):</b> 10.00 mg/m3 TWA	1%	5%

Material Name: QuickBayt Spot Spray

Article Number: 8968805

### Section 3: Hazards Identification

#### EMERGENCY OVERVIEW

**CAUTION!** **Color:** White to off white. **Form:** Solid Granules **Odor:** Slight, Characteristic  
May cause mechanical irritation (abrasion). Highly toxic to aquatic invertebrates Highly toxic to bees. May cause respiratory tract irritation. Harmful if swallowed.

#### POTENTIAL HEALTH EFFECTS

**Route(s) of Entry:** Eye Contact, Inhalation, Skin Contact

#### HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

##### General Effects of Exposure

**Acute Effects of Exposure:** Excessive concentrations of nuisance particulates in the air may reduce visibility, may cause unpleasant deposits in the eyes, ears and nasal passages, or cause injury to the skin or mucous membranes by mechanical action.

**Chronic Effects of Exposure:** No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

##### Carcinogenic Components:

**NTP:** None

**IARC:** None

**OSHA:** None

**Medical Conditions Aggravated by Exposure:** Eye disorders, Skin disorders, Respiratory tract disorders

### Section 4: First Aid Measures

**First Aid for Eye:** In case of contact, flush with copious amounts of water for at least 15 minutes. Get medical attention if irritation develops or persists.

**First Aid for Skin:** In case of skin contact, wash affected areas with soap and water. Contact a physician if irritation develops.

**First Aid for Inhalation:** If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Call a physician.

**First Aid for Ingestion:** Contact a physician or Poison Control Center. Give two glasses of water for dilution. Avoid alcohol. If ingested, do not induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious person.

**Note to Physician:**

In case of human or animal poisoning, please contact the Poison Control Center at (800)938-3578. Please also notify Bayer at (800)422-9874.

**Section 5: Fire Fighting Measures**

**Flash Point:** Not Applicable

**Flammable Limits:**

**Upper Explosion Limit (UEL %):** Not Established

**Lower Explosion Limit (LEL %):** Not Established

**Auto-ignition Temperature:** 653 °F (345 °C)

**Extinguishing Media:**

**Suitable:** Water, Carbon Dioxide, Dry Chemical, Foam

**Special Fire Fighting Procedures:**

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Do not allow fire fighting water to enter sewer, surface waters, or ground water systems. Equipment and materials used in fighting pesticide fires may become contaminated.

**Section 6: Accidental Release Measures****Spill or Leak Procedures:**

Evacuate and keep unnecessary people out of spill area. Use appropriate personal protective equipment during clean up. Spills should be swept up and placed in appropriate containers for disposal. Avoid creating dusty conditions. Collect and place in appropriately marked sealable containers for disposal. Wash spill area with soap and water. Soil, absorbents, and other materials that are contaminated by the spilled product should be collected for proper disposal. Do not allow spilled material or wash water to enter sewers, surface waters, or groundwater systems.

**Section 7: Handling and Storage**

**Shelf Life:** Not Established

**Special Sensitivity:** Not Established

**Handling/Storage Precautions:** Store in a dry place in original or waterproof containers. Store separate from food products. Store in an area designated specifically for pesticides. Avoid contact with eyes. Avoid excessive contact with skin or clothing.

## Section 8: Exposure Controls/Personal Protection

### Personal Protection Equipment

<b>Eye Protection Requirements:</b>	Chemical safety goggles or glasses.
<b>Skin Protection Requirements:</b>	Gloves, long sleeved shirts and pants.
<b>Ventilation Requirements:</b>	Under normal conditions of use, special ventilation is not required.
<b>Respirator Requirements:</b>	A NIOSH approved respirator for pesticides can be used to minimize exposure.
<b>Additional Protective Measures:</b>	Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of this product. Follow all label instructions. Launder clothing separately after use. Employees should wash their hands and face before eating, drinking, or using tobacco products.

## Section 9: Physical and Chemical Properties

<b>Physical Form:</b>	Solid
<b>Appearance:</b>	Granules
<b>Color:</b>	White to off white.
<b>Odor:</b>	Slight, Characteristic
<b>Melting/Freezing Point:</b>	358 °F (181 °C)
<b>Solubility in Water:</b>	Soluble

## Section 10: Stability and Reactivity

<b>Stability:</b>	Stable under normal conditions of use and storage.
<b>Hazardous Polymerization:</b>	Will not occur

## Section 11: Toxicological Information

### Toxicity Data for QuickBayt Spot Spray

<b>Acute oral toxicity:</b>	LD50 = > 2,000 mg/kg (Female Rat) Source: Supplier Material Safety Data Sheet (MSDS)
<b>Eye Irritation:</b>	Minimally irritating (Rabbit) Source: Supplier Material Safety Data Sheet (MSDS)
<b>Skin Irritation:</b>	Non-irritating (Rabbit) Source: Supplier Material Safety Data Sheet (MSDS)
<b>Sensitization:</b>	Non-sensitizer (Guinea pig) Source: Supplier Material Safety Data Sheet (MSDS)

### Toxicity Data for Sucrose

<b>Acute oral toxicity:</b>	LD50 = 29,700 mg/kg bw (Rat)
<b><u>Toxicity Data for Imidacloprid</u></b>	
<b>Acute oral toxicity:</b>	LD50 = 424 mg/kg bw (Male Rat)
	LD50 = 450 - 475 mg/kg bw (Female Rat)
<b>Acute dermal toxicity:</b>	LD50 = > 5,000 mg/kg bw (Rat)
<b>Acute inhalation toxicity:</b>	> 0.07 mg/L, 4 hrs, aerosol (Rat)
	> 5.32 mg/L, 4 hrs, dust/particulate (Rat)
<b>Eye Irritation:</b>	Minimally irritating (Rabbit)
<b>Skin Irritation:</b>	Non-irritating (Rabbit)
<b>Sensitization:</b>	Non-sensitizer (Guinea pig)
<b>Carcinogenicity:</b>	Imidacloprid was investigated for carcinogenicity in chronic feeding studies using mice and rats at maximum levels of 2000 and 1800 ppm, respectively. There was no evidence of a carcinogenic potential observed in either species.
<b>Mutagenicity:</b>	Imidacloprid was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.
<b>Developmental Toxicity/Teratogenicity:</b>	No evidence of embryonic or teratogenic potential for the active ingredient in developmental rats and rabbit toxicity studies. Developmental effects in both sexes were observed only at high doses, in conjunction with material toxicity.
<b>Toxicity to Reproduction/Fertility:</b>	Imidacloprid was not a reproductive toxicant in a multigeneration rat study.
<b>Neurotoxicity:</b>	Rats showed slight behavioral and activity changes only at the highest dose tested in neurotoxicity studies. No correlating morphol
<b><u>Toxicity Data for Synthetic amorphous silica</u></b>	
<b>Toxicity Note:</b>	No data available for this component.

## Section 12: Ecological Information

### **Ecological Data for QuickBayt Spot Spray**

#### **Ecological Data for Sucrose**

**Ecological Note:** No data available for this component.

### **Ecological Data for Imidacloprid**

**Fish Toxicity:** LC50 = 211 mg/L, 96 hrs. Rainbow (Donaldson) Trout (Oncorhynchus mykiss)

**Invertebrate Toxicity:** EC50 = 85 mg/L, 48 hrs. Water flea (Daphnia magna)

**Plant Toxicity:** Aquatic Plants growth rate = > 10 mg/L, 72 hrs.

**Ecological Data for Synthetic amorphous silica**

**Ecological Note:** No data available for this component.

**Section 13: Disposal Considerations**

**Waste Disposal Method:** Follow container label instructions for disposal of wastes generated during use in compliance with the FIFRA product label. In other situations, bury in an EPA approved landfill or burn in an incinerator approved for pesticide destruction. Do not reuse container.

**Section 14: Transportation Information**

**Technical shipping name:** Pesticide

**Freight Class**

**Bulk:** Insecticides, N.O.I. (NMFC 102120)

**Package:** Insecticides, N.O.I. (NMFC 102120)

**Domestic Surface Transportation (DOT)**

**Hazard Class or Division:** Non-Regulated

**Marine Transportation (IMO / IMDG)**

**Hazard Class Division** Non-Regulated

**Number:**

**Air Transportation (ICAO / IATA)**

**Hazard Class Division** Non-Regulated

**Number:**

**Section 15: Regulatory Information****United States Federal Regulations**

**OSHA Hazcom Standard Rating:** Hazardous

**TSCA Inventory List:** This product is excluded from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.

**FIFRA Status:** This product is registered with the EPA under FIFRA.

**CERCLA Hazardous Substance:**

Component(s)

None

Reportable Quantity

**SARA Title III****SARA Section 302 Extremely Hazardous Substances:**Component(s)/CAS Number

None

ConcentrationMin.Max.**SARA Section 311/312 Hazard Categories:** Immediate Health Hazard**SARA Section 313 Toxic Chemicals:**Component(s)/CAS Number

None

ReportingThresholdConcentrationMin.Max.**RCRA Status:**

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)

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**State Right-to-Know Information**Component(s)/CAS NumberState CodeConcentrationMin.Max.

Sucrose

PA-H, MA-H

60%

100%

57-50-1

Imidacloprid

PA-N, NJ-N

7%

13%

138261-41-3

Synthetic amorphous silica

PA-H, NJ-H, MA-H

1%

5%

112926-00-8

**State Code Translation Table**

PA-N = Pennsylvania Non-hazardous

PA-H = Pennsylvania Hazardous Substance List

NJ-N = New Jersey Other - includes predominant ingredients

NJ-H = New Jersey Hazardous Substance List

MA-H = Massachusetts Hazardous Substance List

**Section 16: Other Information****NEPA 704M Rating**

<b>Health</b>	1
<b>Flammability</b>	1
<b>Reactivity</b>	0
<b>Other</b>	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

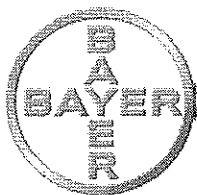


BAYER HEALTHCARE LLC's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by BAYER HEALTHCARE LLC as a customer service.

Contact: John Sheehan  
Phone: (913) 268-2570  
MSDS Number: 000000002821  
Version Date: 08/28/2008  
MSDS Version: 1.7

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|| Indicates Relevant Change Made.



# MATERIAL SAFETY DATA SHEET

## BAYER HEALTHCARE LLC

Animal Health Division  
12707 Shawnee Mission Parkway  
(West 63rd)  
Shawnee, KS 66216-1846

TRANSPORTATION EMERGENCY  
CALL CHEMTREC..... : (800) 424-9300  
INTERNATIONAL ..... : (703) 527-3887

NON-TRANSPORTATION  
BAYER EMERGENCY PHONE : (800) 422-9874  
BAYER INFORMATION PHONE: (800) 633-3796

### Section 1: Product and Company Identification

Product Name: QuickBayt Spot Spray  
Material Number: 8968805

### Section 2: Composition/Information on Ingredients

#### HAZARDOUS INGREDIENTS

<u>Ingredient Name/ CAS Number</u>	<u>Exposure Limits</u>	<u>Concentration</u>	
		<u>Min.</u>	<u>Max.</u>
Sucrose 57-50-1	OSHA (PEL): 5.00 mg/m3 TWA Respirable Fraction 15.00 mg/m3 TWA Total Dust ACGIH (TLV): 10.00 mg/m3 TWA	60%	100%
Imidacloprid 138261-41-3	OSHA (PEL): Not Established ACGIH (TLV): Not Established	7%	13%
Synthetic amorphous silica 112926-00-8	OSHA (PEL): 80.00 mg/m3 TWA Total Dust (divide PEL by %SiO <sub>2</sub> + 2) ACGIH (TLV): 10.00 mg/m3 TWA	1%	5%

Material Name: QuickBayt Spot Spray

Article Number: 8968805

### Section 3: Hazards Identification

#### EMERGENCY OVERVIEW

**CAUTION!** **Color:** White to off white. **Form:** Solid Granules **Odor:** Slight, Characteristic  
May cause mechanical irritation (abrasion). Highly toxic to aquatic invertebrates Highly toxic to bees. May cause respiratory tract irritation. Harmful if swallowed.

#### POTENTIAL HEALTH EFFECTS

**Route(s) of Entry:** Eye Contact, Inhalation, Skin Contact

#### HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE

##### General Effects of Exposure

**Acute Effects of Exposure:** Excessive concentrations of nuisance particulates in the air may reduce visibility, may cause unpleasant deposits in the eyes, ears and nasal passages, or cause injury to the skin or mucous membranes by mechanical action.

**Chronic Effects of Exposure:** No applicable information was found concerning any adverse chronic health effects from overexposure to this product.

##### Carcinogenic Components:

**NTP:** None

**IARC:** None

**OSHA:** None

**Medical Conditions Aggravated by Exposure:** Eye disorders, Skin disorders, Respiratory tract disorders

### Section 4: First Aid Measures

**First Aid for Eye:** In case of contact, flush with copious amounts of water for at least 15 minutes. Get medical attention if irritation develops or persists.

**First Aid for Skin:** In case of skin contact, wash affected areas with soap and water. Contact a physician if irritation develops.

**First Aid for Inhalation:** If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Call a physician.

**First Aid for Ingestion:** Contact a physician or Poison Control Center. Give two glasses of water for dilution. Avoid alcohol. If ingested, do not induce vomiting unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious person.

**Note to Physician:**

In case of human or animal poisoning, please contact the Poison Control Center at (800)938-3578. Please also notify Bayer at (800)422-9874.

**Section 5: Fire Fighting Measures**

**Flash Point:** Not Applicable

**Flammable Limits:**

**Upper Explosion Limit (UEL %):** Not Established

**Lower Explosion Limit (LEL %):** Not Established

**Auto-ignition Temperature:** 653 °F (345 °C)

**Extinguishing Media:**

**Suitable:** Water, Carbon Dioxide, Dry Chemical, Foam

**Special Fire Fighting Procedures:**

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Do not allow fire fighting water to enter sewer, surface waters, or ground water systems. Equipment and materials used in fighting pesticide fires may become contaminated.

**Section 6: Accidental Release Measures****Spill or Leak Procedures:**

Evacuate and keep unnecessary people out of spill area. Use appropriate personal protective equipment during clean up. Spills should be swept up and placed in appropriate containers for disposal. Avoid creating dusty conditions. Collect and place in appropriately marked sealable containers for disposal. Wash spill area with soap and water. Soil, absorbents, and other materials that are contaminated by the spilled product should be collected for proper disposal. Do not allow spilled material or wash water to enter sewers, surface waters, or groundwater systems.

**Section 7: Handling and Storage**

**Shelf Life:** Not Established

**Special Sensitivity:** Not Established

**Handling/Storage Precautions:** Store in a dry place in original or waterproof containers. Store separate from food products. Store in an area designated specifically for pesticides. Avoid contact with eyes. Avoid excessive contact with skin or clothing.

## Section 8: Exposure Controls/Personal Protection

### Personal Protection Equipment

- Eye Protection Requirements:** Chemical safety goggles or glasses.
- Skin Protection Requirements:** Gloves, long sleeved shirts and pants.
- Ventilation Requirements:** Under normal conditions of use, special ventilation is not required.
- Respirator Requirements:** A NIOSH approved respirator for pesticides can be used to minimize exposure.
- Additional Protective Measures:** Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of this product. Follow all label instructions. Launder clothing separately after use. Employees should wash their hands and face before eating, drinking, or using tobacco products.

## Section 9: Physical and Chemical Properties

- Physical Form:** Solid
- Appearance:** Granules
- Color:** White to off white.
- Odor:** Slight, Characteristic
- Melting/Freezing Point:** 358 °F (181 °C)
- Solubility in Water:** Soluble

## Section 10: Stability and Reactivity

- Stability:** Stable under normal conditions of use and storage.
- Hazardous Polymerization:** Will not occur

## Section 11: Toxicological Information

### Toxicity Data for QuickBayt Spot Spray

- Acute oral toxicity:** LD50 = > 2,000 mg/kg (Female Rat) Source: Supplier Material Safety Data Sheet (MSDS)
- Eye Irritation:** Minimally irritating (Rabbit) Source: Supplier Material Safety Data Sheet (MSDS)
- Skin Irritation:** Non-irritating (Rabbit) Source: Supplier Material Safety Data Sheet (MSDS)
- Sensitization:** Non-sensitizer (Guinea pig) Source: Supplier Material Safety Data Sheet (MSDS)

### Toxicity Data for Sucrose

<b>Acute oral toxicity:</b>	LD50 = 29,700 mg/kg bw (Rat)
<b><u>Toxicity Data for Imidacloprid</u></b>	
<b>Acute oral toxicity:</b>	LD50 = 424 mg/kg bw (Male Rat)
	LD50 = 450 - 475 mg/kg bw (Female Rat)
<b>Acute dermal toxicity:</b>	LD50 = > 5,000 mg/kg bw (Rat)
<b>Acute inhalation toxicity:</b>	> 0.07 mg/L, 4 hrs, aerosol (Rat)
	> 5.32 mg/L, 4 hrs, dust/particulate (Rat)
<b>Eye Irritation:</b>	Minimally irritating (Rabbit)
<b>Skin Irritation:</b>	Non-irritating (Rabbit)
<b>Sensitization:</b>	Non-sensitizer (Guinea pig)
<b>Carcinogenicity:</b>	Imidacloprid was investigated for carcinogenicity in chronic feeding studies using mice and rats at maximum levels of 2000 and 1800 ppm, respectively. There was no evidence of a carcinogenic potential observed in either species.
<b>Mutagenicity:</b>	Imidacloprid was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.
<b>Developmental Toxicity/Teratogenicity:</b>	No evidence of embryonic or teratogenic potential for the active ingredient in developmental rats and rabbit toxicity studies. Developmental effects in both sexes were observed only at high doses, in conjunction with material toxicity.
<b>Toxicity to Reproduction/Fertility:</b>	Imidacloprid was not a reproductive toxicant in a multigeneration rat study.
<b>Neurotoxicity:</b>	Rats showed slight behavioral and activity changes only at the highest dose tested in neurotoxicity studies. No correlating morphol
<b><u>Toxicity Data for Synthetic amorphous silica</u></b>	
<b>Toxicity Note:</b>	No data available for this component.

## Section 12: Ecological Information

### **Ecological Data for QuickBayt Spot Spray**

#### **Ecological Data for Sucrose**

**Ecological Note:** No data available for this component.

### **Ecological Data for Imidacloprid**

**Fish Toxicity:** LC50 = 211 mg/L, 96 hrs. Rainbow (Donaldson) Trout (Oncorhynchus mykiss)

**Invertebrate Toxicity:** EC50 = 85 mg/L, 48 hrs. Water flea (Daphnia magna)

**Plant Toxicity:** Aquatic Plants growth rate = > 10 mg/L, 72 hrs.

**Ecological Data for Synthetic amorphous silica**

**Ecological Note:** No data available for this component.

**Section 13: Disposal Considerations**

**Waste Disposal Method:** Follow container label instructions for disposal of wastes generated during use in compliance with the FIFRA product label. In other situations, bury in an EPA approved landfill or burn in an incinerator approved for pesticide destruction. Do not reuse container.

**Section 14: Transportation Information**

**Technical shipping name:** Pesticide

**Freight Class**

**Bulk:** Insecticides, N.O.I. (NMFC 102120)

**Package:** Insecticides, N.O.I. (NMFC 102120)

**Domestic Surface Transportation (DOT)**

**Hazard Class or Division:** Non-Regulated

**Marine Transportation (IMO / IMDG)**

**Hazard Class Division** Non-Regulated

**Number:**

**Air Transportation (ICAO / IATA)**

**Hazard Class Division** Non-Regulated

**Number:**

**Section 15: Regulatory Information**

**United States Federal Regulations**

**OSHA Hazcom Standard Rating:** Hazardous

**TSCA Inventory List:** This product is excluded from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.

**FIFRA Status:** This product is registered with the EPA under FIFRA.

**CERCLA Hazardous Substance:**

Component(s)  
None

Reportable Quantity

Material Name: QuickBayt Spot Spray

Article Number: 8968805

**SARA Title III****SARA Section 302 Extremely Hazardous Substances:**

<u>Component(s)/</u> <u>CAS Number</u>	<u>Concentration</u>	
	<u>Min.</u>	<u>Max.</u>
None		

**SARA Section 311/312 Hazard Categories:** Immediate Health Hazard

**SARA Section 313 Toxic Chemicals:**

<u>Component(s)/</u> <u>CAS Number</u>	<u>Reporting</u> <u>Threshold</u>	<u>Concentration</u>	
		<u>Min.</u>	<u>Max.</u>
None			

**RCRA Status:**

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)

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**State Right-to-Know Information**

<u>Component(s)/</u> <u>CAS Number</u>	<u>State Code</u>	<u>Concentration</u>	
		<u>Min.</u>	<u>Max.</u>
Sucrose	PA-H, MA-H	60%	100%
57-50-1			
Imidacloprid	PA-N, NJ-N	7%	13%
138261-41-3			
Synthetic amorphous silica	PA-H, NJ-H, MA-H	1%	5%
112926-00-8			

**State Code Translation Table**

PA-N = Pennsylvania Non-hazardous  
PA-H = Pennsylvania Hazardous Substance List  
NJ-N = New Jersey Other - includes predominant ingredients  
NJ-H = New Jersey Hazardous Substance List  
MA-H = Massachusetts Hazardous Substance List

**Section 16: Other Information****NFPA 704M Rating**

<b>Health</b>	1
<b>Flammability</b>	1
<b>Reactivity</b>	0
<b>Other</b>	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Material Name: QuickBayt Spot Spray

Article Number: 8968805



BAYER HEALTHCARE LLC's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS and NFPA ratings are provided by BAYER HEALTHCARE LLC as a customer service.

Contact: John Sheehan  
Phone: (913) 268-2570  
MSDS Number: 000000002821  
Version Date: 08/28/2008  
MSDS Version: 1.7

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|| Indicates Relevant Change Made.

# SAFETY DATA SHEET



## Sevoflurane, USP

### 1) PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	Sevoflurane
<b>Synonyms:</b>	Piramal Sevoflurane™ Fluoromethyl 2,2,2-trifluoro-1-(trifluoromethyl) ethyl ether HFFMOP
<b>CAS Number:</b>	28523-86-6
<b>Formula:</b>	C <sub>4</sub> H <sub>3</sub> F <sub>7</sub> O
<b>Chemical Family:</b>	Anesthetic, Halogenated Ether
<b>Recommended Use:</b>	Inhalable anesthetic – (Prescription Drug to be Administered by Medical Professionals Only)
<b>Manufacturer:</b>	Piramal Critical Care, Inc 3950 Schelden Circle Bethlehem, PA 18017
<b>Supplier:</b>	Piramal Critical Care, Inc 3950 Schelden Circle Bethlehem, PA 18017
<b>24 Hour Emergency Number:</b>	CHEMTREC 1-703-527-3887

### 2) HAZARDS IDENTIFICATION

#### GHS Classification:

<b>Physical Hazard:</b>	Not classified
<b>Health Hazard:</b>	Skin Irritation – Category 3 Reproductive Toxicity – Category 2 Eye Effects – Category 2A Acute Toxicity (Respiratory) – Category 3 Specific target organ toxicity, single exposure - Category 3 – Narcotic Effects

**Label Elements:****Signal Word:** Warning

**Hazard Statements:** H316 – Causes mild skin irritation  
H319 – Causes serious eye irritation  
H335 – May cause respiratory irritation  
H336 – May cause drowsiness or dizziness  
H361 – Suspected of damaging fertility or the unborn child  
H373 – May cause damage to organs – repeat exposure

**Precautionary Statements:** P202 – Do not handle until all safety precautions have been read and understood  
P233 - Keep container tightly closed  
P260 – Do not breathe vapors  
P264 – Wash thoroughly after handling  
P271 – Use in well-ventilated area  
P314 – Get immediate medical advice if you feel unwell  
P501 – Dispose of contents/container to an approved waste disposal site

**Classification:** Non-Dangerous when shipped via ground or water. Dangerous when shipped via air (see section 14)

**Risk Phrases:** R36/37/38 Irritating to eyes, respiratory system, and skin  
R67 Vapors may cause dizziness  
R63(Xn) Possible Risk of Harm to the Unborn Child

**Safety Phrases:** S2 Keep out of Reach of Children  
S3 Keep in a cool place  
S7 Keep Container tightly closed  
S9 Keep Container in a well-ventilated place  
S24/S25 Avoid Contact with Skin and Eyes  
S38 In case of insufficient ventilation, Wear Suitable respiratory equipment  
S51 Use only in well ventilated areas.

**Emergency Overview:** CAUTION! Anesthetic Agent. Overexposure by inhalation to the vapors may cause temporary nervous system depression with anesthetic effects such as dizziness, headache, confusion, incoordination, or loss of consciousness; they should be moved to an area of fresh air. Concentrations of anesthetic in the air would have to reach approximately 2-3 % before personnel would be expected to experience significant dizziness. Gross overexposure (> 20%) may possibly alter the heart's electrical activity with irregular pulse, palpitations, or inadequate circulation.

**Exposure Routes:** Inhalation. Skin contact. Eye contact. Ingestion.

**Inhalation:** Practically non-toxic by inhalation. Cardiovascular effects may include fluctuations in heart rate, changes in blood pressure, chest pain. Respiratory effects may include shortness of breath, bronchospasms, laryngospasms, and respiratory depression. Gastrointestinal effects may include nausea, upset stomach, loss of appetite. Nervous system effects may include ataxia, tremor, disturbance of speech, lethargy, headaches, dizziness, blurred vision.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.

**Ingestion:** Practically non-toxic if swallowed. No specific hazards other than therapeutic effects. See inhalation.

### 3) COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>Weight %</u>	<u>Classification</u>	<u>CAS #</u>
Sevoflurane	100	None	28523-86-6

### 4) FIRST AID MEASURES

**Inhalation:** If high concentrations are inhaled, immediately remove to fresh air. If not breathing, perform artificial respiration. Keep the affected person warm and at rest. Get medical attention as soon as possible

**Skin Contact:** In case of contact, remove contaminated clothing, and wash contaminated skin with soap and water. Seek medical attention if irritation is present.

**Eye Contact:** In case of contact, immediately wash (irrigate) the eyes with large amounts of tepid potable water, occasionally lifting the lower and upper lids. Get medical attention immediately.

**Ingestion:** Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities are swallowed, get medical attention immediately.

**Note to Physician:** Due to possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should be considered only as a last resort in life-threatening emergencies.

### 5) FIRE FIGHTING MEASURES

**Flash Point:** Not determined

**Specific Methods:** No information available

**Flammable Limits in air-lower (%):** N/A

**Flammable Limits in air-upper (%):** N/A

**Auto ignition:** N/A

**Extinguishing Media:** Use extinguishing media appropriate to surrounding fire conditions

**Fire Fighting Instructions:** Fire fighters and others should wear NIOSH approved positive pressure self-contained breathing apparatus (SCBA) and turnout gear.

**Fire and Explosion Hazard:** Use water spray to cool containers. Containers may rupture under fire conditions.

### 6) ACCIDENTAL RELEASE MEASURES

**In Case of Spill or Leak:** Small volumes of liquid anesthetic agents may readily evaporate at room temperatures and may dissipate before any clean up attempts are initiated. For large spills, provide adequate ventilation or evacuate area. Large quantities of anesthetic agents may cause sedative effects. Restrict personnel not donning protective equipment from areas of spills or leaks until clean up is complete. A sorbent designed for organic chemicals should be use for large spills. Spill pillows, vermiculite, and carbon-based sorbents are examples of suitable materials. Dike spill and prevent liquid from entering sewers,

waterways or low areas. Sweep or scoop up and remove to a suitable container. Close container and dispose of container in accordance with federal, state, and local regulations.

PPE (Inhalation): Depending on effectiveness of local ventilation, an air purifying respirator with organic vapor cartridge can be used to protect against vapors

## 7) HANDLING AND STORAGE

**Handling:** Wash thoroughly after handling.

**Storage:** Keep container tightly sealed. Store in a dry, cool, and well ventilated place. Store between 15-30 deg C (59-86 deg F).

## 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Investigate engineering techniques, process enclosures or local exhaust Ventilation to keep airborne levels below recommended exposure limits.

**Eye Protection:** Safety glasses, chemical splash goggles, face shield, or other full faced protection should be available for use if potential exists for exposure to splashes.

**Skin Protection:** Chemical resistant, impervious gloves should be used to avoid prolonged or repeated exposure. Wear a work uniform or laboratory coat. Additional body garments should be used based upon the tasks being performed.

**Respiratory Protection:** When working with small quantities in a well ventilated area, respiratory protection may not be required. If exposure levels exceed regulatory limits, implement a respiratory protection program that is in compliance with OSHA 29 CFR1910.134 or equivalent in other regions. Fire fighting requires the use of a self-contained breathing apparatus with full face piece and positive pressure mode.

**OSHA-Time Weighted Average:** None

**OSHA-Short Term Exposure Limit:** None

**OSHA-Ceiling Limits:** None

**ACGIH-Time Weighted Average:** None

**ACGIH-Short Term Exposure Limit:** None

**ACGIH-Ceiling Limit Value:** None

**NIOSH REL:** Ceiling 2 ppm (60 minutes) recommended exposure limit for halogenated waste anesthetic gas.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear

**Physical State:** Liquid

**Color:** Colorless

**Odor:** Slight ethereal

**Odor Threshold:** Not available

**pH:** Neutral

**Molecular Weight:** 200.05 g/mole

**Boiling Point:** 58.6 deg C (137.5 deg F) at 760 mm Hg.

**Melting/Freezing Point:** 32 – 77 F (0-25 C)

**Vapor Pressure:** 157 mm Hg at 20 deg C (68.8 deg F)  
197 mm Hg at 25 deg C (77 deg F)  
317 mm Hg at 36 deg C (96.8 deg F)

**Vapor Density:** 6.94

**Relative Density:** 1.5

**Evaporation Rate:** > 1

**Water Solubility:** Slightly soluble

**% Volatile by Volume:** 100 WT%

**Specific Gravity:** 1.5 (Water 1)  
**Flash Point:** N/A  
**Explosive Limits:** N/A  
**Ignition Temperature:** N/A  
**Flammability (solid/gas):** Not available  
**Partition coefficient:** Not available  
( n-octanol/water)  
**Viscosity:** Not available

## 10) STABILITY AND REACTIVITY

**Stability:** Material is stable under recommended storage conditions.  
**Incompatibility:** Peroxides  
**Polymerization:** Not applicable  
**Hazardous Decomposition Products:** Irritating and/or toxic fumes under fire conditions. These products are halogenated compounds (hydrochloric and hydrofluoric acids may be liberated).  
**Conditions to Avoid:** N/A  
**Hazardous Reactions:** N/A

## 11) TOXICOLOGICAL INFORMATION

**LD<sub>50</sub>** 10800 mg/kg oral-rat  
**LC<sub>50</sub>** 28800 ppm/3H inhalation / rat  
**LD<sub>50</sub>** 18200 g/kg oral mouse  
**LC<sub>50</sub>** 28300 ppm/3H inhalation-mouse  
**Acute Toxicity: Cardiovascular effects:** may include fluctuation in heart rate, change in blood pressure, chest pain.  
**Respiratory effects:** may include shortness of breath, bronchospasms, laryngospasms, respiratory depression.  
**Gastrointestinal effects:** may include nausea, upset stomach, loss of appetite.  
**Nervous System effects:** ataxia, tremor, disturbance of speech, lethargy, headache, dizziness, blurred vision.  
**Chronic Toxicity:** Target Organs- nervous system, heart, liver  
**Carcinogenic Effects:** Not classified or listed by OSHA, IARC, NTP, EU, and ACGIH. No data is available on the product itself.  
**Mutagenic Effects:** Not mutagenic in a standard battery of genetic toxicological tests  
**Reproductive Toxicity:** Not considered fetotoxic based on animal data. Epidemiological studies suggest higher than normal incidences of problem pregnancies (particularly spontaneous abortions) among exposed personnel.  
**FDA Pregnancy Category:** B

## 12) ECOLOGICAL INFORMATION

**Ecotoxicity Effects:** No data available  
**Bioaccumulation:** No data available  
**Degradability:** Not Known  
**Mobility:** Will preferentially want to partition to air. In water, will settle to bottom following water flow. Turbulence will enhance vaporization.  
**Atmospheric Effects:** Greenhouse gas

## 13) DISPOSAL CONSIDERATIONS

**Waste Disposal:** Comply with federal, state, and local regulations in the disposal of waste.

**14) TRANSPORT INFORMATION**

<b>DOT:</b>	Not regulated for inner packagings not exceeding 5.0 L (1.3 gallons) net capacity each. Regulated for inner packagings exceeding 5.0 L (1.3 gallons) net capacity each.
<b>DOT shipping name:</b>	Aviation regulated liquid, N.O.S., (Sevoflurane)
<b>UN number:</b>	UN3334
<b>Packing Group:</b>	III
<b>DOT hazard class:</b>	9
<b>ICAO/IATA: IATA proper shipping name:</b>	Aviation regulated liquid, N.O.S., (Sevoflurane)
<b>IATA UN number:</b>	UN3334
<b>IATA primary hazard class:</b>	9
<b>IATA packing group:</b>	III
<b>IATA packing instruction:</b>	964
<b>TDG (Canada):</b>	Not regulated
<b>IMO/IMDG:</b>	Not regulated
<b>ADR/RID:</b>	Not regulated

**15) REGULATORY INFORMATION**

<b>FDA:</b>	Regulated
<b>TSCA Inventory List:</b>	This product is exempt from TSCA.
<b>Poisons Schedule:</b>	Schedule 4
<b>AICS Listing:</b>	Not listed

**16) OTHER INFORMATION**

The information above is believed to be accurate and is intended only as a guide. Piramal Inc. assumes no responsibility for any damages resulting from handling or contact with the above material.

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**QuickBayt Spot Spray**

122000007116

Version 2.0

Revision Date 01/07/2016

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

**Product Name:** QuickBayt Spot Spray  
**SDS Number:** 122000007116

**Use** : Pest control

**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, off-white **Form:** granular **Odour:** slight, characteristic.

**GHS Classification:**

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

**GHS Label element:**

**Hazard pictograms** :



**Signal word** : Warning

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

**Precautionary statements** : **Prevention:**  
P264 Wash skin thoroughly after handling.



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## QuickBayt Spot Spray

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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.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Weight percent	Components	CAS-No.
10.21%	Imidacloprid	138261-41-3
1.11%	Silicon dioxide	7631-86-9

### Other Ingredients

Weight percent	Components	CAS-No.
88.22%	Sucrose / Sugar	57-50-1

## 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.

**Contact Number:** Use the Bayer Emergency Number in Section 1

## 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.

---

## 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.

---

## 7. HANDLING AND STORAGE

**Handling:**

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

No special protective measures against fire required.

**Storage:**

Store in a cool dry place.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Silicon dioxide (7631-86-9)**

US. NIOSH: Pocket Guide to Chemical Hazards  
Recommended exposure limit (REL): 6 mg/m<sup>3</sup>

**Sucrose / Sugar (57-50-1)**

US. ACGIH Threshold Limit Values

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Time Weighted Average (TWA): 10 mg/m<sup>3</sup>  
US. NIOSH: Pocket Guide to Chemical Hazards  
Recommended exposure limit (REL): 10 mg/m<sup>3</sup> (Total)  
US. NIOSH: Pocket Guide to Chemical Hazards  
Recommended exposure limit (REL): 5 mg/m<sup>3</sup> (Respirable.)  
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)  
Permissible exposure limit: 5 mg/m<sup>3</sup> (Respirable fraction.)  
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)  
Permissible exposure limit: 15 mg/m<sup>3</sup> (Total dust.)

### Respiratory protection:

Recommended Filter type: HEPA

None required for consumer use of this product.

### 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.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	granular
Colour:	white, off-white
Odour:	slight, characteristic
Odour Threshold:	No applicable information is available
Melting point:	181 °C
Boiling point/boiling range:	No applicable information is available
Density:	No applicable information is available
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:	soluble
pH:	No applicable information is available
Relative density:	No applicable information is available

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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

---

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** No data available

**Materials to avoid:** Oxidizing agents

**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.

---

### 11. TOXICOLOGICAL INFORMATION

**Other information on toxicity:**

Silicon dioxide

No persistent or cumulative effects were observed.

**Acute oral toxicity:**

LD<sub>50</sub> Rat , female :  $\geq$  2,000 mg/kg

**Acute inhalation toxicity:**

Imidacloprid

LC<sub>50</sub> Rat: > 5.323 mg/l, 4 h

May be harmful if inhaled.

Method: OECD 403

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Sucrose / Sugar

The substance or mixture has no acute inhalation toxicity

Silicon dioxide

LC0 Rat: 0.139 mg/l, 4 h

The substance or mixture has no acute inhalation toxicity

An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

**Acute dermal toxicity:**

Imidacloprid

LD50 Rat: > 5,000 mg/kg

The substance or mixture has no acute dermal toxicity

Sucrose / Sugar

The substance or mixture has no acute dermal toxicity

Silicon dioxide

LD50 Rat: > 5,000 mg/kg

The substance or mixture has no acute dermal toxicity

**Acute toxicity (other routes of administration):**

Sucrose / Sugar

LD50 intraperitoneal Mouse: 14,000 mg/kg

**Skin irritation:**

Rabbit

Result: No skin irritation

**Eye irritation:**

Rabbit

Result: Moderate eye irritation

**Sensitisation:**

guinea pig

Result: Does not cause skin sensitisation.

**Genotoxicity in vitro:**

Imidacloprid

Ames test

Result: negative

In vitro tests did not show mutagenic effects

Silicon dioxide

Ames test

Result: negative

Unscheduled DNA Synthesis Test

Result: No evidence of a genotoxic effect.

Chromosome aberration test in vitro

Result: negative

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**Genotoxicity in vivo:**

Imidacloprid

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

Silicon dioxide

In vivo Cytogenetic Test, Rat

Result: negative

Dominant lethale test, Rat

Result: negative

**Carcinogenicity:**

Imidacloprid

Result: Animal testing did not show any carcinogenic effects.

Silicon dioxide

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

**Reproductive toxicity:**

Imidacloprid

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

Silicon dioxide

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

**Teratogenicity:**

Imidacloprid

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

Silicon dioxide

Result: Did not show teratogenic effects in animal experiments.

**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:**

**Components:**

**138261-41-3 :**

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

---

**12. ECOLOGICAL INFORMATION**

**General advice:**

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Do not allow to enter surface waters or groundwater.

### Toxicity to fish:

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

Silicon dioxide

Acute Fish toxicity: LC50 > 10,000 mg/l

Test species: Danio rerio (zebra fish) Duration of test: 96 h

Method: OECD 203

### Toxicity to daphnia and other aquatic invertebrates:

Imidacloprid

EC50 0.055 mg/l

Test species: Hyalella azteca Duration of test: 96 h

Silicon dioxide

EC50 > 10,000 mg/l

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

Method: OECD 202

### Toxicity to algae:

Imidacloprid

EC50 > 100 mg/l

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

EC50 > 10 mg/l

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

Silicon dioxide

IC50 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

### Toxicity to bacteria:

Imidacloprid

EC50 > 10,000 mg/l

tested on: activated sludge micro-organism

Method: OECD 209

### Biodegradability:

Silicon dioxide

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

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### Physico-chemical removability:

Silicon dioxide

The product is insoluble and sinks in water..

### Bioaccumulation:

Imidacloprid

Low potential for bioaccumulation

Sucrose / Sugar

Bioaccumulation is unlikely.

---

## 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

### 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

3077

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S.  
(IMIDACLOPRID)

Class

9

Packaging group

III

Dangerous goods labels

9

Environmentally hazardous

yes



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**International IMDG**

<b>UN Number</b>	3077
<b>Description of the goods</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID)
<b>Class</b>	9
<b>Packaging group</b>	III
<b>IMDG-Labels</b>	9
<b>Marine pollutant</b>	yes

**15. REGULATORY INFORMATION**

**Other regulations:** No statements available.

**FIFRA Status** This product is registered with the EPA under FIFRA.

**US. Toxic Substances Control Act** This product is excluded from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.

**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

**SARA Section 311/312 Hazard Categories** Immediate Health Hazard

**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

**Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists**

<b>Weight percent</b>	<b>Components</b>	<b>CAS-No.</b>
60 - 100%	Sucrose / Sugar	57-50-1

1 - 5%	Silicon dioxide	7631-86-9
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**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.

### **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.

SAFETY DATA SHEET  
**QuickBayt Spot Spray**

122000007116

Version 2.0

Revision Date 01/07/2016

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

**Product Name:** QuickBayt Spot Spray  
**SDS Number:** 122000007116

**Use** : Pest control

**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, off-white **Form:** granular **Odour:** slight, characteristic.

**GHS Classification:**

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

**GHS Label element:**

**Hazard pictograms** :



**Signal word** : Warning

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

**Precautionary statements** : **Prevention:**  
P264 Wash skin thoroughly after handling.

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## QuickBayt Spot Spray

122000007116

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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.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Weight percent	Components	CAS-No.
10.21%	Imidacloprid	138261-41-3
1.11%	Silicon dioxide	7631-86-9

### Other Ingredients

Weight percent	Components	CAS-No.
88.22%	Sucrose / Sugar	57-50-1

## 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.

**Contact Number:** Use the Bayer Emergency Number in Section 1

## 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.

---

## 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.

---

## 7. HANDLING AND STORAGE

**Handling:**

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

No special protective measures against fire required.

**Storage:**

Store in a cool dry place.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Silicon dioxide (7631-86-9)**

US. NIOSH: Pocket Guide to Chemical Hazards

Recommended exposure limit (REL): 6 mg/m<sup>3</sup>

**Sucrose / Sugar (57-50-1)**

US. ACGIH Threshold Limit Values

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Time Weighted Average (TWA): 10 mg/m<sup>3</sup>  
US. NIOSH: Pocket Guide to Chemical Hazards  
Recommended exposure limit (REL): 10 mg/m<sup>3</sup> (Total)  
US. NIOSH: Pocket Guide to Chemical Hazards  
Recommended exposure limit (REL): 5 mg/m<sup>3</sup> (Respirable.)  
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)  
Permissible exposure limit: 5 mg/m<sup>3</sup> (Respirable fraction.)  
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)  
Permissible exposure limit: 15 mg/m<sup>3</sup> (Total dust.)

### Respiratory protection:

Recommended Filter type: HEPA

None required for consumer use of this product.

### 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:	granular
Colour:	white, off-white
Odour:	slight, characteristic
Odour Threshold:	No applicable information is available
Melting point:	181 °C
Boiling point/boiling range:	No applicable information is available
Density:	No applicable information is available
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:	soluble
pH:	No applicable information is available
Relative density:	No applicable information is available

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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

**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:**

LD<sub>50</sub> Rat , female :  $\geq$  2,000 mg/kg

**Acute inhalation toxicity:**

Imidacloprid

LC<sub>50</sub> Rat: > 5.323 mg/l, 4 h

May be harmful if inhaled.

Method: OECD 403

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Sucrose / Sugar

The substance or mixture has no acute inhalation toxicity

Silicon dioxide

LC0 Rat: 0.139 mg/l, 4 h

The substance or mixture has no acute inhalation toxicity

An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

**Acute dermal toxicity:**

Imidacloprid

LD50 Rat: > 5,000 mg/kg

The substance or mixture has no acute dermal toxicity

Sucrose / Sugar

The substance or mixture has no acute dermal toxicity

Silicon dioxide

LD50 Rat: > 5,000 mg/kg

The substance or mixture has no acute dermal toxicity

**Acute toxicity (other routes of administration):**

Sucrose / Sugar

LD50 intraperitoneal Mouse: 14,000 mg/kg

**Skin irritation:**

Rabbit

Result: No skin irritation

**Eye irritation:**

Rabbit

Result: Moderate eye irritation

**Sensitisation:**

guinea pig

Result: Does not cause skin sensitisation.

**Genotoxicity in vitro:**

Imidacloprid

Ames test

Result: negative

In vitro tests did not show mutagenic effects

Silicon dioxide

Ames test

Result: negative

Unscheduled DNA Synthesis Test

Result: No evidence of a genotoxic effect.

Chromosome aberration test in vitro

Result: negative



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**Genotoxicity in vivo:**

Imidacloprid

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

Silicon dioxide

In vivo Cytogenetic Test, Rat

Result: negative

Dominant lethale test, Rat

Result: negative

**Carcinogenicity:**

Imidacloprid

Result: Animal testing did not show any carcinogenic effects.

Silicon dioxide

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

**Reproductive toxicity:**

Imidacloprid

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

Silicon dioxide

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

**Teratogenicity:**

Imidacloprid

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

Silicon dioxide

Result: Did not show teratogenic effects in animal experiments.

**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:**

**Components:**

**138261-41-3 :**

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

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**12. ECOLOGICAL INFORMATION**

**General advice:**

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Do not allow to enter surface waters or groundwater.

### Toxicity to fish:

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

Silicon dioxide

Acute Fish toxicity: LC50 > 10,000 mg/l

Test species: Danio rerio (zebra fish) Duration of test: 96 h

Method: OECD 203

### Toxicity to daphnia and other aquatic invertebrates:

Imidacloprid

EC50 0.055 mg/l

Test species: Hyalella azteca Duration of test: 96 h

Silicon dioxide

EC50 > 10,000 mg/l

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

Method: OECD 202

### Toxicity to algae:

Imidacloprid

EC50 > 100 mg/l

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

EC50 > 10 mg/l

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

Silicon dioxide

IC50 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

### Toxicity to bacteria:

Imidacloprid

EC50 > 10,000 mg/l

tested on: activated sludge micro-organism

Method: OECD 209

### Biodegradability:

Silicon dioxide

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

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### Physico-chemical removability:

Silicon dioxide

The product is insoluble and sinks in water..

### Bioaccumulation:

Imidacloprid

Low potential for bioaccumulation

Sucrose / Sugar

Bioaccumulation is unlikely.

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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

3077

Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,  
N.O.S.  
(IMIDACLOPRID)

Class

9

Packaging group

III

Dangerous goods labels

9

Environmentally hazardous

yes

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**International IMDG**

<b>UN Number</b>	3077
<b>Description of the goods</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID)
<b>Class</b>	9
<b>Packaging group</b>	III
<b>IMDG-Labels</b>	9
<b>Marine pollutant</b>	yes

**15. REGULATORY INFORMATION**

**Other regulations:** No statements available.

**FIFRA Status** This product is registered with the EPA under FIFRA.

**US. Toxic Substances Control Act** This product is excluded from TSCA Regulation under FIFRA Section 3 (2)(B)(ii) when used as a pesticide.

**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

**SARA Section 311/312 Hazard Categories** Immediate Health Hazard

**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

**Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists**

<b>Weight percent</b>	<b>Components</b>	<b>CAS-No.</b>
60 - 100%	Sucrose / Sugar	57-50-1

1 - 5%	Silicon dioxide	7631-86-9
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**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.

### **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.