



MATERIAL SAFETY DATA SHEET

BAYER HEALTHCARE LLC
Animal Health Division
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(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 %SiO2 + 2) ACGIH (TLV): 10.00 mg/m3 TWA	1%	5%

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

Acute oral toxicity:	LD50 = 29,700 mg/kg bw (Rat)
<u>Toxicity Data for Imidacloprid</u>	
Acute oral toxicity:	LD50 = 424 mg/kg bw (Male Rat)
	LD50 = 450 - 475 mg/kg bw (Female Rat)
Acute dermal toxicity:	LD50 = > 5,000 mg/kg bw (Rat)
Acute inhalation toxicity:	> 0.07 mg/L, 4 hrs, aerosol (Rat)
	> 5.32 mg/L, 4 hrs, dust/particulate (Rat)
Eye Irritation:	Minimally irritating (Rabbit)
Skin Irritation:	Non-irritating (Rabbit)
Sensitization:	Non-sensitizer (Guinea pig)
Carcinogenicity:	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.
Mutagenicity:	Imidacloprid was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.
Developmental Toxicity/Teratogenicity:	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.
Toxicity to Reproduction/Fertility:	Imidacloprid was not a reproductive toxicant in a multigeneration rat study.
Neurotoxicity:	Rats showed slight behavioral and activity changes only at the highest dose tested in neurotoxicity studies. No correlating morphol
<u>Toxicity Data for Synthetic amorphous silica</u>	
Toxicity Note:	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:

<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 57-50-1	PA-H, MA-H	60%	100%
Imidacloprid 138261-41-3	PA-N, NJ-N	7%	13%
Synthetic amorphous silica 112926-00-8	PA-H, NJ-H, MA-H	1%	5%

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

Health	1
Flammability	1
Reactivity	0
Other	

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
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MSDS Number: 000000002821
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