

# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

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### SECTION 1. IDENTIFICATION

#### Product information

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

**Use** : Pest control

#### Company

Elanco US Inc.  
2500 Innovation Way  
Greenfield, IN 46140  
USA  
+1-877-Elanco1(+1-877-3526261)  
elanco\_sds@elanco.com

**In case of emergency:** CHEMTREC International: +1 703-527-3887 (24 hours)

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with 29 CFR 1910.1200

Eye irritation : Category 2A

Reproductive toxicity : Category 1B

#### GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : H319 Causes serious eye irritation.  
H360D May damage the unborn child.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/

# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

---

attention.

### Other hazards

None known.

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Imidacloprid	138261-41-3	10,21
Dipropylene glycol methyl ether	34590-94-8	7,6615
1-Methyl-2-pyrrolidone	872-50-4	2,287
cis-tricos-9-ene	27519-02-4	0,1

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## SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : Not an expected entry route.

In case of skin contact : No hazards which require special first aid measures.

In case of eye contact : Flush eyes with water as a precaution.

If swallowed : In case of accidental ingestion, contact your regional poison center or physician immediately.

Most important symptoms and effects, both acute and delayed : No information available.

Notes to physician : No information available.

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## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Any

Unsuitable extinguishing media : none

Specific hazards during fire-fighting : Fire may cause evolution of:  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

Hydrogen chloride gas

Nitrogen oxides (NO<sub>x</sub>)

Hydrogen cyanide (hydrocyanic acid)

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# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.

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

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Avoid dust formation.

Methods and materials for containment and 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).

### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : No special protective measures against fire required.

Advice on safe handling : Avoid dust formation. Use with local exhaust ventilation. Avoid contact with skin, eyes and clothing.

Further information on storage conditions : Keep in a dry, cool place.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Sucrose / Sugar	57-50-1	TWA	10 mg/m <sup>3</sup>	ACGIH
		TWA	10 mg/m <sup>3</sup>	ACGIH
		TWA (Respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (Respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL
		TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Total)	15 mg/m <sup>3</sup>	OSHA P0

# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
 Date of first issue: 23.06.2020

		dust)		
		TWA (Total dust)	15 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable dust fraction)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (respirable dust fraction)	5 mg/m <sup>3</sup>	OSHA P0
Dipropylene glycol methyl ether	34590-94-8	TWA	100 ppm	ACGIH
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		STEL	150 ppm	ACGIH
		TWA	100 ppm 600 mg/m <sup>3</sup>	NIOSH REL
		TWA	100 ppm 600 mg/m <sup>3</sup>	NIOSH REL
		ST	150 ppm 900 mg/m <sup>3</sup>	NIOSH REL
		ST	150 ppm 900 mg/m <sup>3</sup>	NIOSH REL
		TWA	100 ppm 600 mg/m <sup>3</sup>	OSHA Z-1
		TWA	100 ppm 600 mg/m <sup>3</sup>	OSHA Z-1
		TWA	100 ppm 600 mg/m <sup>3</sup>	OSHA P0
		TWA	100 ppm 600 mg/m <sup>3</sup>	OSHA P0
		STEL	150 ppm 900 mg/m <sup>3</sup>	OSHA P0
		STEL	150 ppm 900 mg/m <sup>3</sup>	OSHA P0
1-Methyl-2-pyrrolidone	872-50-4	TWA	10 ppm	US WEEL
		TWA	10 ppm	US WEEL

### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
1-Methyl-2-pyrrolidone	872-50-4	5-Hydroxy-N-methyl-2-pyrrolidone	Urine	End of shift (As soon as possible after exposure ceases)	100 mg/l	ACGIH BEI
		5-Hydroxy-N-methyl-2-pyrrolidone	Urine	End of shift (As soon as possible after exposure)	100 mg/l	ACGIH BEI

# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

				ceases)		
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### Personal protective equipment

Respiratory protection : Recommended Filter type: HEPA  
None required for consumer use of this product.

Hand protection  
Material : Chemically resistant gloves.

Remarks : None required for consumer use of this product.

Eye protection : Safety glasses  
None required for consumer use of this product.

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

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : granular

Colour : white, off-white

Odour : slight, characteristic

Melting point / range : 358 °F / 181 °C

Boiling point/boiling range : No data available

Solubility(ies)  
Water solubility : soluble

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Explosive properties : No statements available.

Oxidizing properties : No data available

Impact sensitivity : No data available

Minimum ignition energy : No data available

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : No data available

Chemical stability : No data available

Possibility of hazardous reac- : No data available

# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

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Conditions to avoid : No data available

Incompatible materials : Oxidizing agents

Hazardous decomposition products : Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

Acute oral toxicity : LD50 (Rat, female): > 2.000 mg/kg

##### Components:

##### **Imidacloprid:**

Acute oral toxicity : LD50 (Rat): 424 mg/kg  
Method: OECD 401

Acute inhalation toxicity : LC50 (Rat): > 5,323 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist/aerosol  
Method: OECD 403

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg

##### **Dipropylene glycol methyl ether:**

Acute oral toxicity : LD50 (Rat): 5.135 mg/kg  
Assessment: No adverse effect has been observed in acute toxicity tests.

Acute inhalation toxicity : Assessment: No adverse effect has been observed in acute toxicity tests.

Acute dermal toxicity : LD50 (Rabbit): >20ml/kg  
Assessment: No adverse effect has been observed in acute toxicity tests.

##### **1-Methyl-2-pyrrolidone:**

Acute oral toxicity : LD50 (Rat): 4.150 mg/kg  
Method: OECD 401

Acute inhalation toxicity : LC50 (Rat): > 5,1 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist/aerosol  
Method: OECD 403  
Assessment: No adverse effect has been observed in acute toxicity tests.

# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

---

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: OECD 402  
Assessment: No adverse effect has been observed in acute toxicity tests.

### **cis-tricos-9-ene:**

Acute oral toxicity : LD50 (Rat): > 23.070 mg/kg

### **Skin corrosion/irritation**

#### **Product:**

Species : Rabbit  
Result : No skin irritation

#### **Components:**

##### **Imidacloprid:**

Species : Rabbit  
Result : No skin irritation

##### **1-Methyl-2-pyrrolidone:**

Species : Rabbit  
Result : Skin irritation

### **Serious eye damage/eye irritation**

#### **Product:**

Species : Rabbit  
Result : Moderate eye irritation

#### **Components:**

##### **Imidacloprid:**

Species : Rabbit  
Result : No eye irritation

##### **1-Methyl-2-pyrrolidone:**

Species : Rabbit  
Result : Irritating to eyes.

### **Respiratory or skin sensitisation**

#### **Product:**

Species : Guinea pig  
Result : Does not cause skin sensitisation.

## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

---

**Components:****Imidacloprid:**

Test Type : Skin sensitisation  
Species : Guinea pig  
Method : Magnusson and Kligmann maximization test  
Result : Did not cause sensitisation on laboratory animals.

**Dipropylene glycol methyl ether:**

Species : Human experience  
Result : Does not cause skin sensitisation.

**1-Methyl-2-pyrrolidone:**

Test Type : Skin sensitisation  
Species : Mouse  
Method : OECD 429  
Result : Does not cause skin sensitisation.  
Test substance : Data on a comparable substance

Test Type : Skin sensitisation  
Species : Human experience  
Method : Patch Test  
Result : Does not cause skin sensitisation.

**cis-tricos-9-ene:**

Result : May cause sensitisation by skin contact.

**Germ cell mutagenicity****Components:****Imidacloprid:**

Genotoxicity in vitro : Test Type: Ames test  
Result: negative  
Remarks: In vitro tests did not show mutagenic effects

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

**Dipropylene glycol methyl ether:**

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

**1-Methyl-2-pyrrolidone:**

Genotoxicity in vitro : Test Type: Bacterial mutagenicity  
Result: No indication of mutagenic effects.

Genotoxicity in vivo : Remarks: In vivo tests did not show mutagenic effects



# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

---

### Carcinogenicity

#### Components:

##### Imidacloprid:

Result : Animal testing did not show any carcinogenic effects.

##### 1-Methyl-2-pyrrolidone:

Result : Animal testing did not show any carcinogenic effects.

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

#### Components:

##### Imidacloprid:

##### 1-Methyl-2-pyrrolidone:

Effects on fertility : Species: Rat  
Application Route: Oral  
General Toxicity - Parent: LOAEL: 500 mg/kg body weight  
Fertility: NOAEL: 350 mg/kg body weight  
Method: OECD 416  
Result: Animal studies have produced evidence a fertility-reducing effect.

Effects on foetal development : Species: Rat  
Application Route: Oral  
Frequency of Treatment: 1 daily  
Developmental Toxicity: NOAEL: 160 mg/kg body weight  
Method: OECD 416  
Result: May damage the unborn child.

### STOT - single exposure

#### Components:

##### 1-Methyl-2-pyrrolidone:

Assessment : May cause respiratory irritation.

### STOT - repeated exposure

#### Components:

##### Imidacloprid:

Assessment : The substance or mixture is not classified as specific target

# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

---

organ toxicant, repeated exposure.

### Repeated dose toxicity

#### Components:

##### Dipropylene glycol methyl ether:

Target Organs : Liver, Kidney  
Symptoms : Dizziness, Drowsiness, Tiredness

### Further information

#### Components:

##### Imidacloprid:

Pharmaceutic effects  
Remarks : Insecticide

##### 1-Methyl-2-pyrrolidone:

Remarks : Dermal absorption possible

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### Imidacloprid:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 237 mg/l  
Exposure time: 96 h  
Test Type: Acute Fish toxicity

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 85 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
Exposure time: 72 h

EC50 (Desmodesmus subspicatus (green algae)): > 10 mg/l  
Exposure time: 72 h

Toxicity to microorganisms : EC50 (Activated sludge micro-organism): > 10.000 mg/l  
Method: OECD 209

##### Dipropylene glycol methyl ether:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 10.000 mg/l  
Exposure time: 96 h  
Test Type: static test

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 1,919 mg/l  
Exposure time: 48 h

# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

---

Toxicity to algae/aquatic plants : EC50 (Selenastrum Capricornutum (Green algae)): > 969 mg/l  
Exposure time: 96 h  
Test Type: Growth inhibition

### **1-Methyl-2-pyrrolidone:**

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 500 mg/l  
Exposure time: 96 h  
Test Type: Acute Fish toxicity

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 1.000 mg/l  
Exposure time: 24 h  
Method: DIN 38412

NOEC (Daphnia magna (Water flea)): 1.000 mg/l  
Exposure time: 24 h  
Method: DIN 38412

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 500 mg/l  
Exposure time: 72 h

Toxicity to microorganisms : EC20: > 600 mg/l  
Exposure time: 0,5 h  
Method: OECD 209

### **Persistence and degradability**

#### **Components:**

#### **Imidacloprid:**

Stability in water : Degradation half life: > 1 a (25 °C) pH: 4  
Hydrolysis: at25 °C

Degradation half life: > 1 a (25 °C) pH: 7  
Hydrolysis: at25 °C

Degradation half life: ca. 1 h (25 °C) pH: 9  
Hydrolysis: at25 °C

#### **Dipropylene glycol methyl ether:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 75 %  
Exposure time: 28 d  
Method: OECD 301F

Result: Readily biodegradable.  
Biodegradation: 93 %  
Exposure time: 13 d  
Method: OECD 302B

ThOD : 0,00206 mg/g

#### **1-Methyl-2-pyrrolidone:**

# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

---

Biodegradability : Result: Readily biodegradable.  
Biodegradation: > 90 %  
Method: OECD 301E

Biochemical Oxygen Demand (BOD) : 2 mg/g  
Incubation time: 5 d

Chemical Oxygen Demand (COD) : 1.600 mg/l

ThOD : 1.939 mg/g

### Bioaccumulative potential

#### Components:

##### **Imidacloprid:**

Bioaccumulation : Remarks: Low potential for bioaccumulation

Partition coefficient: n-octanol/water : log Pow: 0,57 (70 °F / 21 °C)  
Method: OECD 107

##### **Dipropylene glycol methyl ether:**

Partition coefficient: n-octanol/water : log Pow: -0,35

##### **1-Methyl-2-pyrrolidone:**

Partition coefficient: n-octanol/water : log Pow: -0,46

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Additional ecological information : Do not allow to enter surface waters or groundwater.

#### Components:

##### **Imidacloprid:**

Adsorbed organic bound halogens (AOX) : Remarks: The product contains organic halogens.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic.

# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	06/23/2020	122000007116	Date of first issue: 23.06.2020

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)

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### IATA-DGR

UN/ID No.	: UN 3077
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID)
Class	: 9
Packing group	: III
Labels	: 9
Environmentally hazardous	: yes

##### IMDG-Code

UN number	: UN 3077
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (IMIDACLOPRID)
Class	: 9
Packing group	: III
Labels	: 9
Marine pollutant	: yes

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

##### 49 CFR

Not regulated as a dangerous good

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

### SECTION 15. REGULATORY INFORMATION

#### EPCRA - Emergency Planning and Community Right-to-Know Act

##### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

##### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

---

**SARA 311/312 Hazards** : Immediate Health Hazard  
Serious eye damage or eye irritation  
Reproductive toxicity

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

1-Methyl-2-pyrrolidone	872-50-4	2,287 %
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### US State Regulations

#### Massachusetts Right To Know

Dipropylene glycol methyl ether	34590-94-8
1-Methyl-2-pyrrolidone	872-50-4
Silicon dioxide	7631-86-9

#### Pennsylvania Right To Know

Sucrose / Sugar	57-50-1
Dipropylene glycol methyl ether	34590-94-8
1-Methyl-2-pyrrolidone	872-50-4
Silicon dioxide	7631-86-9

#### New York City Hazardous Substances

Dipropylene glycol methyl ether	34590-94-8
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#### California List of Hazardous Substances

Dipropylene glycol methyl ether	34590-94-8
Silicon dioxide	7631-86-9

#### California Permissible Exposure Limits for Chemical Contaminants

Sucrose / Sugar	57-50-1
Dipropylene glycol methyl ether	34590-94-8
1-Methyl-2-pyrrolidone	872-50-4

### International Regulations

Montreal Protocol (Ozone Depleting Substances) : Not applicable

Rotterdam Convention (Prior Informed Consent) : Not applicable

Stockholm Convention (Persistent Organic Pollutants) : Not applicable

### The components of this product are reported in the following inventories:

TSCA : Substance(s) not listed on TSCA inventory

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

# SAFETY DATA SHEET



## QuickBayt Spot Spray

Version 1.0      Revision Date: 06/23/2020      SDS Number: 122000007116      Date of last issue: -  
Date of first issue: 23.06.2020

---

### SECTION 16. OTHER INFORMATION

#### Further information

##### NFPA 704:

Health - 2      Flammability - 1      Instability - 0      Others -

##### HMIS® IV:

Health - 2      Flammability - 1      Instability - 0      Others -

#### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
ACGIH BEI : ACGIH - Biological Exposure Indices (BEI)  
NIOSH REL : USA. NIOSH Recommended Exposure Limits  
OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -  
1910.1000  
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-  
its for Air Contaminants  
US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)  
ACGIH / TWA : 8-hour, time-weighted average  
ACGIH / STEL : Short-term exposure limit  
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour  
workday during a 40-hour workweek  
NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded  
at any time during a workday  
OSHA P0 / TWA : 8-hour time weighted average  
OSHA P0 / STEL : Short-term exposure limit  
OSHA Z-1 / TWA : 8-hour time weighted average  
US WEEL / TWA : 8-hr TWA

Revision Date : 06/23/2020

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.

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