

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Condor WP
Product type: Wettable powder Bio-insecticide
Product code/Reg. No.: EPA Reg. # 70051-80
Active ingredient: *Bacillus thuringiensis* subspecies *kurstaki* strain EG2348
CAS No.: 68038-71-1

1.2. Recommended use of the chemical and restrictions on use:

Identified uses: Bio-insecticide

1.3. Details of the supplier of the safety data sheet

Name: Certis U.S.A., LLC
Address: 9145 Guilford Road, Suite 175
Columbia, Maryland 21046
U.S.A.
Phone Number: 1-800-847-5620
Website: <http://www.certisusa.com>

1.4. Emergency telephone number

Emergency number: +1 800 255-3924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

OSHA Hazard Classification: Not classified by OSHA

EPA Signal Word: Caution (see section 15)

Hazard Statements: None

Hazard Pictogram: None

Hazard Symbol: None

Precautionary Statements:

Harmful if inhaled. Avoid breathing dust or spray mist. Harmful if swallowed. Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling and before eating, drinking chewing gum, using tobacco and using the toilet. Remove and wash contaminated clothing before reuse.

2.2. Other hazards not otherwise classified:

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected

handlers may be in the area during application.

SECTION 3: Composition/information on ingredients

3.1. Substances

Ingredient	CAS No.	Wt. %
<i>B. thuringiensis kurstaki</i> strain EG2348	68038-71-1	43

* See section 16 for the full text of the hazard and risk phrases. Occupational exposure limits, if available, are listed in section 8.

SECTION 4: First aid measures

4.1. Description of first aid measures

- Eye Contact:** Hold eye open and rinse slowly and gently for 15-20 minutes. Remove contact lenses, if present, after 5 minutes then continue rinsing eye.
- Skin Contact:** Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes.
- Inhalation:** Move person to fresh air, if person is not breathing, call 911 or an ambulance, then give artificial respiration preferably mouth to mouth, if possible.
- Ingestion:** Contact physician or Poison Control Center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
- Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling the a poison control center or doctor or going for treatment.

4.2. Most important symptoms and effects, both acute and delayed

None specified

4.3. Indication of any immediate medical attention and special treatment needed

None specified

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable Extinguishing Media:** All methods
- Unsuitable Extinguishing Media:** None known

5.2. Special hazards arising from the substance or mixture None known

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: None specified

For emergency responders: None specified

6.2. Environmental precautions

Do not apply directly to water, or where surface water is present, or to inter tidal areas below mean high water mark. Do not contaminate water when disposing of equipment wash waters.

This product must not be applied aerially within ¼ mile of any endangered or threatened Lepidoptera. No manual application can be made within 300 feet of any endanger or threatened Lepidoptera.

6.3. Methods and material for containment and cleaning up

Methods for Containment: Use absorbent material to minimize runoff of spilled product.

Methods for Clean-Up: Unused material should be disposed of in an approved waste facility following all federal, state and local regulations.

Other Information: If a significant spill occurs, contact CHEM-TEL (800) 255 3924.

6.4. Reference to other sections

See Section 8 for occupational exposure limits, risk management measures and personal protection equipment. Refer to Section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not contaminate water, food or feed by storage or disposal.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry place, inaccessible to children. Store in original container only. Keep container closed when not in use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters- Exposure Limits

OSHA Permissible Exposure Limit (PEL): Unknown

ACGIH Threshold Limit Value (TLV): Unknown

Other Exposure Limits (if available): Not available

8.2. Exposure controls

Engineering Controls:	Not applicable
Personal Protective Equipment	None specified
Eye/Face Protection:	None specified
Skin Protection:	None specified
Hand Protection:	None specified
Body Protection:	None specified
Respiratory Protection:	None specified

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Light brown powder
Odour:	Yeasty
Odour Threshold:	NA
pH (1% dispersion):	7.5-8.0
Melting Point / Freezing Point:	Not applicable
Initial Boiling Point:	Not applicable
Boiling Range:	Not applicable
Flash Point:	Not flammable
Evaporation Rate:	Not determined
Flammability (solid, gas):	Not determined
Lower & Upper Flammability or Explosive Limits:	Not determined
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Relative Density:	0-72-0.8 g/cc
Solubility:	Not determined
Partition Coefficient (n-octanol/water):	Not determined
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	Not applicable
Other Relevant Property	None

SECTION 10: Stability and reactivity

10.1. Reactivity:	Not reactive
10.2. Chemical stability:	Stable
10.3. Possibility of hazardous reactions:	None known
10.4. Conditions to avoid:	None known
10.5. Incompatible materials:	None known
10.6. Hazardous decomposition products:	None known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

Toxicological information on the substance or mixture:

LD₅₀ (oral)	No evidence of treatment related toxicity at 10 ⁸ CFU/animal (study conducted on a similar Btk product)
LD₅₀ (dermal)	No evidence of treatment related toxicity at 10 ⁸ CFU/animal (study conducted on a similar Btk product)
LC₅₀ (inhalation)	No evidence of treatment related toxicity or pathogenicity. (study conducted on a similar Btk product)
Skin corrosion / irritation:	Slightly irritating
Eye irritation:	Mildly irritating, Toxicity Category III
Respiratory or skin sensitization:	Not required.

Other information on adverse health effects:

Carcinogenicity

NTP: Not applicable.

IARC: Not applicable.

OSHA: Not applicable.

11.2 Reference to other sections

See Section 4 for symptoms and acute and delayed effects.

SECTION 12: Ecological information

12.1. Toxicity

Test species	Test method	Test substance	LC ₅₀
Avian, Bobwhite Quail	Oral Tox/Path	Btk strain EG-2348	LD ₅₀ > 3333 mg/kg
<i>Oncorhynchus mykiss</i>	30-Day Static Renewal	Btk strain EG-2348	No toxicity or pathogenicity elicited from test article
<i>Daphnia magna</i>	21-Day Static Renewal	Btk strain EG-2348	EC ₅₀ 21 day > 1.0 x 10 ⁶ spores/ml
<i>Apis mellifera</i> L.	5 day	Btk strain EG-2348	No acute hazard presented to bees

12.2. Persistence and degradability

Bacillus thuringiensis subspecies *kurstaki* (Btk) shows a rapid loss of activity in response to UV light.

12.3. Bioaccumulative potential

Btk is not pathogenic and does not reproduce in living organisms other than target Lepidopteran larvae.

12.4. Mobility in soil

Low based on scientific data for Btk.

12.5. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Storage and Disposal: Do not contaminate water, food, or feed by storage and disposal.

Pesticide Storage: Store in a cool, dry place inaccessible to children.

Pesticide Disposal: Do not contaminate water when disposing of equipment washwaters. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill, or by incineration, or it allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION 14: Transportation information

14.1. UN number

Not regulated.

14.2. UN proper shipping name

Not regulated.

14.3. Transport hazard class(es)

Not regulated.

14.4. Packing group

Not regulated.

14.5. Environmental hazards

Not regulated.

14.6. Special precautions for user

Not regulated.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not regulated.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EPA: This product is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticidal chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION, KEEP OUT OF REACH OF CHILDREN
Harmful if inhaled. Harmful if swallowed. Causes moderate eye irritation.
Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

OSHA:	N/A
TSCA Status:	Exempt
CERCLA Reportable Quantity:	N/A
SARA Title III:	
Section 302:	N/A
Section 311/312:	N/A
Section 313:	N/A
RCRA Status:	N/A

SECTION 16: Other information

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither Certis USA nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

SDS Authoring Information:

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Prepared by:	Certis USA L.L.C.